



PRODUCT CATALOG



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NETWORKING





N300 Wireless Router

WBR-6013

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Auto Channel Selection for low interference band
- Simple wireless connectivity and security with WPS push button
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Client isolation allows strict control of access to wireless devices on the network



AC1200 Dual Band Wireless Gigabit Router

WGR-8031

- Share your wireless network up to 1200Mbps
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Dual band technology reduces interference, providing reliable connections
- Auto Channel Selection for low interference band
- Wireless signal on/off button
- Simple wireless connectivity and security with WPS push button
- Client isolation allows strict control of access to wireless devices on the network
- Provides up to 8 SSIDs to separate network traffic and enhance security

POWERLINE ADAPTER



500Mbps Powerline Adapter

PLI-4052

- Extends your home network through existing electrical wiring with data transfer speeds of up to 500Mbps
- Security push button for software free configuration
- Simple Plug and Play installation
- Compact, lightweight design





Gigabit Wireless LAN Controller
WAC-2000

- Centralized management of up to 50 APs
- Client isolation allows strict control of access to wireless devices on the network
- Supports gateway/router mode
- Load balancing across multiple APs
- Built-in robust firewall to protect Internet access against intruders
- Captive Portal function provides a convenient method of authentication for guest users



Gigabit Wireless LAN Controller
WAC-2003

- Centralized management of up to 300 APs
- Up to 4 WAN interfaces with load balancing function
- Client isolation allows strict control of access to wireless devices on the network
- Supports gateway/router mode
- Load balancing across multiple APs
- Built-in robust firewall to protect Internet access against intruders
- Captive Portal function provides a convenient method of authentication for guest users



N300 5GHz Outdoor PoE Wireless Access Point, Controller Managed
WAB-5010

- Share your wireless network up to 300Mbps
- Operates in 5GHz band, according to IEEE 802.11a/n specifications
- Dual power support: 12V DC/PoE (IEEE 802.3at)
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- LED display for easy status monitoring
- Weatherproof IP65-rated housing



N300 5GHz Outdoor PoE Wireless Access Point, Controller Managed
WAB-6010

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Multi-operation modes to suit different wireless applications
- Dual power support: 12V DC/PoE (IEEE 802.3at)
- Weatherproof IP65-rated housing
- Provides up to 4 SSIDs to separate network traffic and enhance security



AC1200 Dual Band Outdoor PoE Wireless Access Point, Controller Managed

WAB-8011

- Share your wireless network up to 1200Mbps
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Dual band technology reduces interference, providing reliable connections
- Router/AP/Repeater/WISP operation modes to suite different wireless applications
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Weatherproof IP65-rated housing



N300 PoE Wireless Access Point, Controller Managed

WAP-6117

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security
- IEEE 802.3af PoE compliant to simplify deployment and installation



N300 Wireless Access Point, Controller Managed

WAP-6017

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security



AC1200 Dual Band Wireless Access Point, Controller Managed

WAP-8021

- Share your wireless network up to 1200Mbps
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Dual band technology reduces interference, providing reliable connections
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications



N300 PoE Wireless Access Point, Ceiling Mount, Controller Managed

WAP-6121

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- Auto Channel Selection for low interference band



AC750 Dual Band PoE Wireless Access Point, Ceiling Mount, Controller Managed

WAP-8121

- Share your wireless network up to 750Mbps
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- Auto Channel Selection for low interference band
- Dual power support: 12V DC/PoE (IEEE 802.3at)



AC1200 Dual Band PoE Wireless Access Point, Ceiling Mount, Controller Managed

[WAP-8122](#)

- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Provides wireless speeds of up to 300Mbps (2.4GHz) / 867Mbps (5GHz)
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Multi-operation modes to suit different wireless applications
- Auto Channel Selection for low interference band
- Dual power support: 12V DC/PoE (IEEE 802.3at)



AC1200 Dual Band PoE Wireless Access Point, Ceiling Mount, Controller Managed

[WAP-8123](#)

- Compatible with IEEE 802.11a/b/g/n/ac Wave 2 wireless standards
- MU-MIMO technology greatly enhances WLAN performance for all clients
- Provides wireless speeds of up to 300Mbps (2.4GHz) / 867Mbps (5GHz)
- Dual power support: 12V DC/PoE (IEEE 802.3at)
- Multi-operation modes to suit different wireless applications
- Auto Channel Selection for low interference band
- Provides up to 8 SSIDs to separate network traffic and enhance security
- High power and receiver sensitivity designed to boost your signal coverage and link speed



N300 PoE Wireless Access Point, In-Wall Mount, Controller Managed

[WAP-6221](#)

- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Wall-mounted design fits standard 86x86mm socket
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Provides up to 4 SSIDs to separate network traffic and enhance security
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security



AC750 Dual Band PoE Wireless Access Point, In-Wall Mount, Controller Managed

[WAP-8221](#)

- Share your wireless network up to 750Mbps
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Dual band technology reduces interference, providing reliable connections
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Multi-operation modes to suit different wireless applications
- Provides up to 8 SSIDs to separate network traffic and enhance security
- Wall-mounted design fits standard 86x86mm socket



N300 Wireless Range Extender, EU Power Plug

[WRE-6001C](#)

- Provides stable signals and extends coverage
- Share your wireless network up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Simple wireless connectivity and security with WPS push button
- Wireless security with WPA/WPA2 and 64/128-bit WEP encryption



AC1200 Dual Band Wireless Range Extender, EU Power Plug

[WRE-8011E](#)

- Provides stable signals and extends coverage
- Share your wireless network up to 1200Mbps
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Dual band technology reduces interference, providing reliable connections
- Simple wireless connectivity and security with WPS push button
- Wireless security with WPA/WPA2 and 64/128-bit WEP encryption



Fast Ethernet Fiber PCI Network Card

FNC-0103FX

- 1 x ST Multi-Mode Fiber
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- 50 or 62.5/125 optical fiber
- Half duplex: 412m max. fiber length
- Full duplex: 2000m max. fiber length
- Transmission and speed: PCI-Bus, 100Mbps full or half duplex
- Diagnostic LEDs for Link, Activity, Collision and FDX
- Supports all current OS including Linux
- Power consumption: 5V DC 2.0A



Fast Ethernet Fiber PCI Network Card

FNC-0104FX

- 1 x SC Multi-Mode Fiber
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- 50 or 62.5/125 optical fiber
- Half duplex: 412m max. fiber length
- Full duplex: 2000m max. fiber length
- Transmission and speed: PCI-Bus, 100Mbps full or half duplex
- Diagnostic LEDs for Link, Activity, Collision and FDX
- Supports all current OS including Linux
- Power consumption: 5V DC 2.0A



Fast Ethernet Fiber PCI Network Card

FNC-0105

- 1 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



Fast Ethernet Fiber PCIe Network Card

FNC-0115

- 1 x SC Multi-Mode Fiber
- Supports most network operating systems (NOS)
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-speed gigabit network card with PCI Express v1.1 compliant
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security



Gigabit Fiber PCI Network Card

GNC-0100

- 1 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports 32 bit PCI 1.0 and PCI 2.2 bus
- Supports remote management (WfM, RIS, SNMP/DMI)
- Supports most network operating systems (NOS)
- Interrupt Moderation: Delivers increased performance while significantly reducing CPU utilization



Gigabit PCI Network Card

GNC-0105T

- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- Supports IEEE 802.1P Layer 2 Priority Queuing for improving traffic flow
- Supports most network operating systems (NOS)



Gigabit Fiber PCI Network Card

GNC-0107

- 1 x SC Multi-Mode Fiber
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Support 32 bit PCI 1.0 and PCI 2.2 bus
- Supports remote management (WfM, RIS, SNMP/DMI)
- Supply switch device for fault tolerance and checking
- Supports most Network Operating Systems (NOS)



Gigabit Fiber PCIe Network Card

GNC-0110

- 1 x SFP
- Interrupt Moderation: Delivers increased performance while significantly reducing CPU utilization
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-speed gigabit network card with PCI Express v1.1 compliant
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- Supports most network operating systems (NOS)



Gigabit PCIe Network Card

GNC-0112

- Low Profile Bracket included
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-speed gigabit network card with PCI Express v1.1 compliant
- Supports single-lane PCI Express for link transmission speed at up to 2.5Gbps
- Supports IEEE 802.1P Layer 2 Priority Queuing for improving traffic flow
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



Gigabit Fiber PCIe Network Card

GNC-0120

- PCIe 4X, 1 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports iSCSI remote boot
- Load balancing across multiple CPUs
- Compatible with x4, x8, and x16 standard and low-profile PCI Express slots
- Supports most network operating systems (NOS)
- Intel® PROSet Utility for Windows* Device Manager



Gigabit Fiber PCIe Network Card

GNC-0122

- PCIe 4X, 2 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports iSCSI remote boot
- Load balancing across multiple CPUs
- Compatible with x4, x8, and x16 standard and low-profile PCI Express slots
- Supports most network operating systems (NOS)
- Intel® PROSet Utility for Windows* Device Manager



Gigabit Fiber PCIe Network Card

GNC-0124

- PCIe 4X, 4 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-performing bridgeless design supporting PCI Express* Gen 2.1 5GT/s
- Innovative power management features including Energy Efficient Ethernet (EEE) and DMA Coalescing for increased efficiency and reduced power consumption
- Flexible I/O virtualization for port partitioning and quality of service (QoS) for up to 32 virtual ports
- Reliable and proven Gigabit Ethernet technology from Intel Corporation



Gigabit Fiber PCIe Network Card

GNC-0200

- 1 x SC Multi-Mode Fiber, Low Profile Bracket included
- Host Interface standard support PCI Express 2.0a
- High performance, reliability, and low power use in Intel 82575EB dual integrated MAC + PHY / SERDES chip controller
- Independently Fiber Gigabit Ethernet channel/s support Gigabit Ethernet 1000Base-SX
- Ultra deep packet buffer per channel lowers CPU utilization
- Hardware acceleration that can offload tasks from the host processor. The controllers can offload TCP/UDP/IP checksum Calculations and TCP segmentation



10 Gigabit Fiber PCIe Network Card

GNC-0201

- PCIe 8X, 1 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Load balancing across multiple CPUs
- Supports iSCSI remote boot
- Supports Fibre Channel over Ethernet (FCoE)
- Supports most network operating systems (NOS)



10 Gigabit Fiber PCIe Network Card

GNC-0202

- PCIe 8X, 2 x SFP
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports Dual SFP+ Connectivity
- Load balancing across multiple CPUs
- Supports iSCSI remote boot
- Supports Fibre Channel over Ethernet (FCoE)
- Supports most network operating systems (NOS)
- Intel® PROSet Utility for Windows* Device Manager
- IEEE 1588 and 802.1as (Time Sync)



Fast Ethernet USB Network Adapter

USB-0301

- 10/100Mbps wire speed transmission and reception
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Simple Plug and Play installation, no additional power supply required
- Supports IPv4/IPv6 network operation
- Multi-platform support: Windows, Mac OS



**Gigabit USB
Network Adapter**
USB-0401

- 10/100/1000Mbps wire speed transmission and reception
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 4K jumbo frames to increase data transfer rates
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports IPv4/IPv6 network operation
- No additional power supply required
- Multi-platform support: Windows, Mac OS



**Gigabit USB-C
Network Adapter**
USB-0402

- 9K jumbo frames to increase data transfer rates
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Supports IPv4/IPv6 network operation



**Gigabit USB-C
Network Adapter
with USB Hub**
USB-0504

- 10/100/1000Mbps wire speed transmission and reception
- Built-in 3-Port Super Speed USB 3.0 hub
- Compatible with USB 3.0 / 2.0 standards
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Multi-platform support: Windows, Mac OS
- Hot-swappable



**Gigabit USB
Network Adapter
with USB Hub**
USB-0503

- 10/100/1000Mbps wire speed transmission and reception
- Built-in 3-Port Super Speed USB 3.0 hub
- Compatible with USB 3.0 / 2.0 standards
- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- Hot-swappable



**N300 Wireless USB
Network Adapter**
WUA-0605

- Provides wireless speed up to 300Mbps
- Compatible with IEEE 802.11b/g/n wireless standards
- Effortless wireless security with a simple push of the WPS button
- Supports WEP, WPA and WPA2 encryption with IEEE 802.1x for high level security
- Quick and easy installation
- Compact, lightweight design



**AC1200 Dual Band
Wireless USB
Network Adapter**
WUA-1810A (1-11 CHANNELS)
WUA-1810E (1-13 CHANNELS)

- Provides wireless speed up to 300Mbps (2.4GHz) / 867Mbps (5GHz)
- Dual band technology reduces interference for reliable connections
- Compatible with IEEE 802.11a/b/g/n/ac wireless standards
- Simple wireless connectivity and security with WPS push button
- AP/Client operation modes to suite different wireless applications
- Provides 5dBi detachable antenna
- Comes with a USB cradle to allow flexible placement for optimal wireless signal



3-Port Fast Ethernet PoE Switch

FEP-0311W36 (36W)
FEP-0311W65 (65W)
FEP-0311W90 (90W)

- 2 Fast Ethernet PoE ports and 1 Fast Ethernet port
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Power protection: OVP/OCP/OTP



5-Port Fast Ethernet PoE Switch

FEP-0511 (65W)
FEP-0511W90 (90W)
FEP-0511W120 (120W)

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet port
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



5-Port Fast Ethernet PoE Switch

FEP-0531

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports port-based VLAN
- Connection distance of up to 250m at 10Mbps data rate
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 65W, up to 30W per port



5-Port Fast Ethernet PoE Switch

FSW-0503 (61.6W)
FSW-0503Z (61.6W, POWER ADAPTER EXCLUDED)
FSW-0503W90 (90W)

- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



5-Port Fast Ethernet PoE Switch

FSW-0513 (120W)
FSW-0513Z (120W, POWER ADAPTER EXCLUDED)

- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- PoE on/off control per port by dip switches
- Auto-detection and protection of non-standard PoE devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



8-Port Fast Ethernet PoE Switch

FEP-0800 (90W)
FEP-0800W65 (65W)
FEP-0800W120 (120W)

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- PoE on/off control per port by dip switches
- Simple Plug and Play installation



8-Port Fast Ethernet PoE Switch

FEP-0811 (120W)
FEP-0811W250 (250W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 11-inch metal housing with 19-inch rackmount kit included
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



8-Port Fast Ethernet PoE Switch

FEP-0812 (65W)
FEP-0812W90 (90W)
FEP-0812W120 (120W)

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



9-Port Fast Ethernet PoE Switch

FEP-0931

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports port-based VLAN
- Connection distance of up to 250m at 10Mbps data rate
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 120W, up to 30W per port



10-Port Fast Ethernet PoE Switch

FGP-1000 (120W)
FGP-1000W90 (90W)
FGP-1000W65 (65W)

- 8 Fast Ethernet PoE ports, 1 Gigabit port and 1 Gigabit SFP slot
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- PoE on/off control per port by dip switches
- Simple Plug and Play installation



16-Port Fast Ethernet PoE Switch

FEP-1600 (120W)
FEP-1600W90 (90W)

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- PoE on/off control per port by dip switches
- Simple Plug and Play installation



16-Port Fast Ethernet PoE Switch

FEP-1611

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- Supports 4K MAC address auto-learning and auto-aging
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 19-inch metal housing
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 240W, up to 30W per port



16-Port Fast Ethernet PoE Switch

FEP-1601 (250W)
FEP-1601W120 (120W)
FEP-1601W150 (150W)
FEP-1601W380 (380W)

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- PoE on/off control per port by dip switches
- 19-inch metal housing



16-Port Fast Ethernet PoE Switch

FEP-1612 (500W)
FEP-1612W380 (380W)
FEP-1612W150 (150W)
FEP-1612W120 (120W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- Supports 4K MAC address auto-learning and auto-aging
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 19-inch metal housing
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



26-Port Fast Ethernet PoE Switch

FGP-2410

- 24 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports 4K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch metal housing
- Total PoE power budget: 240W, up to 30W per port



26-Port Fast Ethernet PoE Switch

FGP-2412 (500W)
FGP-2412W380 (380W)
FGP-2412W630 (630W)
FGP-2412W150 (150W)

- 24 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports 4K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch metal housing



26-Port Fast Ethernet PoE Switch

FGP-2601W150 (150W)
FGP-2601W250 (250W)
FGP-2601W380 (380W)
FGP-2601W500 (500W)
FGP-2601W630 (630W)

- 24 Fast Ethernet PoE ports and 2 Gigabit ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Power protection: OVP/OCP/OTP
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- PoE on/off control per port by dip switches
- 19-inch metal housing



26-Port Fast Ethernet PoE Switch

FGP-2602W150 (150W)
FGP-2602W250 (250W)
FGP-2602W380 (380W)
FGP-2602W500 (500W)
FGP-2602W630 (630W)

- 24 Fast Ethernet PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Power protection: OVP/OCP/OTP
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- PoE on/off control per port by dip switches
- 19-inch metal housing



34-Port Fast Ethernet PoE Switch

FGP-3400W250 (250W)
FGP-3400W380 (380W)
FGP-3400W500 (500W)
FGP-3400W630 (630W)
FGP-3400W760 (760W)

- 32 Fast Ethernet PoE ports and 2 Gigabit ports
- PoE on/off control per port by dip switches
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch rackmount kit included



5-Port Gigabit PoE Switch

GEP-0520 (61.6W)
GEP-0520Z (61.6W, POWER ADAPTER EXCLUDED)

- 1 Gigabit port and 4 Gigabit PoE ports
- IEEE 802.3af PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



5-Port Gigabit PoE Switch

GEP-0521

- 1 Gigabit port and 4 Gigabit PoE ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 115W, up to 30W per port
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



5-Port Gigabit PoE Switch

GEP-0522

- 1 Gigabit port and 4 Gigabit PoE ports
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 65W, up to 30W per port



5-Port Gigabit PoE Switch

GEP-0523

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 60W, up to 30W per port



8-Port Gigabit PoE Switch

GEP-0812 (65W)
GEP-0812W90 (90W)
GEP-0812W120 (120W)

- 4 Gigabit ports and 4 Gigabit PoE ports
- Auto-detection and protection of non-standard PoE devices
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- 11-inch metal housing with 19-inch rackmount kit included



8-Port Gigabit PoE Switch

GEP-0820 (65W)
GEP-0820W90 (90W)
GEP-0820W120 (120W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



8-Port Gigabit PoE Switch

GEP-0821(123.2W)
GEP-0822(240W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch rackmount kit included
- Total PoE power budget: 123.2W/240W, up to 30W per port
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



8-Port Gigabit PoE Switch

GEP-0823

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 10/100/1000Mbps wire speed transmission and reception
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Total PoE power budget: 120W, up to 30W per port



10-Port Gigabit PoE Switch

GEP-1020

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch rackmount kit included
- Total PoE power budget: 150W, up to 30W per port



10-Port Gigabit PoE Switch

GEP-1021

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch rackmount kit included
- Total PoE power budget: 250W, up to 30W per port



10-Port Gigabit PoE Switch

GEP-1022W65 (65W)
GEP-1022W90 (90W)
GEP-1022W120 (120W)

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Internal power supply



10-Port Gigabit PoE Switch

GEP-1023W65 (65W)
GEP-1023W90 (90W)
GEP-1023W120 (120W)

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission



10-Port L2 Managed Gigabit PoE Switch

GEP-1070

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- Supports VLAN (tag-based, Q-in-Q)
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3ad LACP for auto port aggregation
- 9K jumbo frames to increase data transfer rates
- Total PoE power budget: 120W, up to 30W per port



16-Port Gigabit PoE Switch

GEP-1621 (250W)
GEP-1621W380 (380W)
GEP-1621W150 (150W)
GEP-1621W120 (120W)

- 16 PoE-Plus Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing



16-Port Gigabit PoE Switch

GEP-1622

- 16 PoE-Plus Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Auto-detection and protection of non-standard PoE devices
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing
- Total PoE power budget: 480W, up to 30W per port



24-Port Gigabit PoE Switch

GEP-2421W150 (150W)
GEP-2421W250 (250W)
GEP-2421W380 (380W)
GEP-2421W500 (500W)
GEP-2421W630 (630W)

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 19-inch rackmount kit included



26-Port Gigabit PoE Switch

GEP-2622W150 (150W)
GEP-2622W250 (250W)
GEP-2622W380 (380W)
GEP-2622W500 (500W)
GEP-2622W630 (630W)

- 24 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 10K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- 19-inch rackmount kit included



5-Port Fast Ethernet Switch

FEU-0511

- Provides flexibility of 4 x 10/100BASE-TX ports
- 100Base-FX Multi-mode fiber for the link up to 2km
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Provides wall or desktop mounting



5-Port Fast Ethernet Switch

FEU-0512

- Provides flexibility of 5x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 1K MAC address auto-learning and auto-aging
- Quick and easy installation



8-Port Fast Ethernet Switch

FEU-0812

- Provides flexibility of 8 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 1K MAC address auto-learning and auto-aging
- Quick and easy installation



5-Port Fast Ethernet Switch

FSW-0508TX

- Provides flexibility of 5x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 2K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Magnetic base for easy placement
- Compact, lightweight design



8-Port Fast Ethernet Switch

FSW-0808TX

- Provides flexibility of 8 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 1K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Magnetic base for easy placement
- Quick and easy installation



16-Port Fast Ethernet Switch

FSW-1650

- Provides flexibility of 16 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



24-Port Fast Ethernet Switch

FSW-2450

- Provides flexibility of 24 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch metal housing



50-Port Fast Ethernet Switch

FGU-5021

- 48 Fast Ethernet ports and 2 Gigabit RJ45/SFP combo ports
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- 19-inch metal housing
- Quick and easy installation



5-Port Gigabit Switch

GEU-0521

- 4 Gigabit Ethernet ports and 1 Gigabit SFP slot
- 9K jumbo frames to increase data transfer rates
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 1K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Provides wall or desktop mounting
- Quick and easy installation



5-Port Gigabit Switch

GEU-0522

- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 4K MAC address auto-learning and auto-aging
- Quick and easy installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



5-Port Gigabit Switch

GSW-0507

- 5 Gigabit Ethernet ports
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- 9K jumbo frames to increase data transfer rates
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Provides wall or desktop mounting
- Quick and easy installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



8-Port Gigabit Switch

GSW-0807

- 9K jumbo frames to increase data transfer rates
- 8 Gigabit Ethernet ports
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Provides wall or desktop mounting
- Quick and easy installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



8-Port Gigabit Switch

GEU-0822

- 8 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Provides wall or desktop mounting
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



8-Port Gigabit Switch

GSW-0809

- 8 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Internal power supply



16-Port Gigabit Switch

GEU-1621

- 16 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- 19-inch rackmount kit included
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)



16-Port Gigabit Switch

GSW-1657

- 16 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- Supports 8K MAC address auto-learning and auto-aging
- 9K jumbo frames to increase data transfer rates
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing



24-Port Gigabit Switch

GSW-2457

- 24 Gigabit Ethernet ports
- 10/100/1000Mbps wire speed transmission and reception
- 9K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- QoS control for traffic prioritization and bandwidth management
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 19-inch metal housing
- Fanless Design



26-Port Gigabit Switch

GEU-2429

- 24 Gigabit Ethernet ports and 2 Gigabit SFP slots
- 9K jumbo frames to increase data transfer rates
- 10/100/1000Mbps wire speed transmission and reception
- Supports 8K MAC address auto-learning and auto-aging
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Static trunk function for port aggregation



26-Port Web Smart Gigabit Switch

GES-2451

- 24 Gigabit Ethernet ports and 2 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.1p QoS with 4 priority queues
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- 10K jumbo frames to increase data transfer rates
- Supports 8K MAC address auto-learning and auto-aging
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing



26-Port Web Smart Gigabit PoE Switch

GEP-2652

- 24 Gigabit Ethernet ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Total PoE power budget: 370W, up to 30W per port
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Supports IPv4/IPv6 network operation
- Supports unknown unicast / broadcast / multicast storm control



20-Port L3 Managed Gigabit Switch

GTL-2091

- 12 x 10GbE SFP+, 8 x Gigabit RJ45
- Supports power redundancy with dual AC power inputs
- Comprehensive Layer 3 features such as IPv4/v6 static route, RIP v1/v2, OSPF v2/v3 and BGP
- Virtual stacking supports up to 4 switches in a single logical stack for unified management, monitoring and configuration
- Access Control: Access Control List (ACL) / RADIUS
- Supports VLAN (tag-based, Q-in-Q)
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Supports unknown unicast / broadcast / multicast storm control
- Supports IPv4/IPv6 network operation



52-Port L3 Lite Managed Gigabit PoE Switch

GTP-5271

- 48 Gigabit Ethernet ports and 4 10-Gigabit SFP+ slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Total PoE power budget: 400W, up to 30W per port
- Virtual stacking supports up to 4 switches in a single logical stack for unified management, monitoring and configuration
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Supports IPv4/IPv6 network operation
- Supports unknown unicast / broadcast / multicast storm control



10-Port Web Smart Gigabit Switch

GEL-1051

- 8 Gigabit Ethernet ports and 2 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- IEEE 802.3ad LACP for auto port aggregation
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management



10-Port L2 Managed Gigabit Switch

GEL-1061

- 8 Gigabit Ethernet ports and 2 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues



28-Port L2 Managed Gigabit Switch

GEL-2861

- 24 Gigabit Ethernet ports and 4 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues



52-Port L2 Managed Gigabit Switch

GEL-5261

- 48 Gigabit Ethernet ports and 4 Gigabit SFP slots
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues



10-Port Web Smart Gigabit PoE Switch

GEP-1051

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- IEEE 802.3ad LACP for auto port aggregation
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Total PoE power budget: 70W, up to 30W per port



10-Port L2 Managed Gigabit PoE Switch

GEP-1061

- 8 Gigabit PoE ports and 2 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports IPv4/IPv6 network operation
- IEEE 802.1p QoS with 8 priority queues
- Total PoE power budget: 125W, up to 30W per port



26-Port L2 Managed Gigabit Switch

GTL-2661

- 24 Gigabit Ethernet ports and 2 10-Gigabit SFP+ slots
- IEEE 802.3ad LACP for auto port aggregation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Provides QoS control based on IP DSCP for advanced traffic prioritization and bandwidth management
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Supports IPv4/IPv6 network operation



28-Port L3 Lite Managed Gigabit Fiber Switch

GTL-2872

- 4 x 10GbE SFP+, 4 x Gigabit SFP/RJ45 Combo
- IEEE 802.3ad LACP for auto port aggregation
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Supports IPv4/IPv6 network operation
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Supports DDMI SFP transceiver
- Redundant power inputs with Terminal Block and AC Jack



28-Port Stackable L3 Lite Managed Gigabit Switch

GTL-2881

- 2 x 10GbE SFP+, 1 x 10GbE Module Slot
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Supports up to 8 switches in one stack
- Supports Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- IEEE 802.1d/w Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- QoS control for traffic prioritization and bandwidth management



28-Port Stackable L3 Lite Managed Gigabit Fiber Optic Switch

GTL-2882

- 2 x Gigabit SFP/RJ45 Combo, 2 x 10GbE SFP+, 1 x 10GbE Module Slot
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Supports up to 8 switches in one stack
- Supports Operations, Administration, and Maintenance (OAM) mechanisms
- IEEE 802.1d/w Spanning Tree Protocol (STP) and port mirroring
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- QoS control for traffic prioritization and bandwidth management
- Supports IPv4/IPv6 network operation



28-Port Stackable L3 Managed Gigabit Switch

GTL-2891

- 2 x 10GbE SFP+, 1 x 10GbE Module Slot
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Supports up to 8 switches in one stack
- Supports Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- IEEE 802.1d/w Spanning Tree Protocol (STP) and port mirroring
- IEEE 802.3ad LACP for auto port aggregation
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- QoS control for traffic prioritization and bandwidth management



52-Port L3 Lite Managed Gigabit PoE Switch

GEP-5271

- 48 Gigabit Ethernet ports and 4 Gigabit SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Total PoE power budget: 370W, up to 30W per port
- Supports VLAN (Port-based, Protocol-based, Private, Q-in-Q, Tag-based) and GVRP
- Supports Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- QoS control for traffic prioritization and bandwidth management
- Supports IPv4/IPv6 network operation



DMS EMBEDDED IN TURING SWITCHES

DMS is an Intelligent Management Tool Embedded in Switches to Intuitively Help IT/TS Reducing Support Cost/Time/Effort. No extra Software or Server needed!



EASY ACCESS FROM ANY DEVICE

All devices connected to the switches can be discovered and displayed by DMS automatically using standard networking protocols such as LLDP, UPnP, ONVIF, Bonjour, etc.



CONTROL EVERYTHING INSIDE YOUR BROWSER

- Remotely power down IP cameras, NVRs or any other PoE device.
- Remotely identify where exactly broken cables are located.
- Detect abnormal traffic issues on IP cameras and NVRs.
- Monitor devices status intuitively, e.g. link up, PoE power, traffic, etc.
- Configure VLAN/QoS intuitively for better solution quality/reliability.
- Supports up to 256 devices within up to 4 subnets.

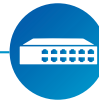
LOG IN FROM ANY DEVICE

Use your PC/Mac or any Smartphone or Tablet to access the DMS Interface directly in your Browser



REMOTE POWER CONTROL

Power down or up IP Cameras, NVRs or any other PoE device easily from the DMS in your browser.



EMBEDDED IN TURING SWITCHES

No extra Software needed. No additional Server required. All you need is one of our Turing Switches with the DMS included.

LOCATE BROKEN CABLES

Remotely identify where exactly a broken cable is located.

ADVANTAGES OVER COMMON NETWORK MANAGEMENT SYSTEMS



NO EXTRA
SERVER COST



NO TRAINING
REQUIRED



NO ADDITIONAL
SOFTWARE NEEDED



WORKS WITH 3RD PARTY
IP DEVICES

IS YOUR NETWORK MANAGEMENT INTELLIGENT?

Make the most out of your network.
Save time and money by reducing the
effort for technical support and IT.

**With our
DMS on TURING SWITCHES.**





26-Port Web Smart Gigabit PoE Switch

GEP-2651

- 24 Gigabit PoE ports and 2 Gigabit RJ45/SFP combo ports
- QoS control for traffic prioritization and bandwidth management
- Supports IPv4/IPv6 network operation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Total PoE power budget: 185W, up to 30W per port
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



28-Port Web Smart Gigabit PoE Switch

GEP-2851

- 24 Gigabit PoE ports and 4 Gigabit SFP slots
- Total PoE power budget: 370W, up to 30W per port
- Supports VLAN (tag-based, Q-in-Q)
- QoS control for traffic prioritization and bandwidth management
- IEEE 802.3ad LACP for auto port aggregation
- IEEE 802.1x Access Control to improve network security
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- DHCP Client/Server
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



26-Port L3 Lite Managed Gigabit Switch

GEL-2681

- 24 Gigabit ports and 2 Gigabit RJ45/SFP combo ports
- QoS control for traffic prioritization and bandwidth management
- Supports IPv4/IPv6 network operation
- IEEE 802.3ad LACP for auto port aggregation
- Supports VLAN (Port-based, Protocol-based, Private, Q-in-Q, Tag-based) and GVRP
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



26-Port L3 Lite Managed Gigabit PoE Switch

GEP-2681

- 24 Gigabit PoE ports and 2 Gigabit RJ45/SFP combo ports
- QoS control for traffic prioritization and bandwidth management
- Supports IPv4/IPv6 network operation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports Universal Plug and Play (UPnP) for auto-configure network devices
- Total PoE power budget: 185W, up to 30W per port
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



26-Port L3 Lite Managed Gigabit PoE Switch

GEP-2682

- 24 Gigabit PoE ports and 2 Gigabit RJ45/SFP combo ports
- QoS control for traffic prioritization and bandwidth management
- DHCP Client/Server
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- IEEE 802.3ad LACP for auto port aggregation
- Total PoE power budget: 370W, up to 30W per port
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



28-Port L3 Lite Managed Gigabit PoE Switch

GTP-2881

- 24 Gigabit PoE ports and 4 10-Gigabit SFP slots
- Total PoE power budget: 185W, up to 30W per port
- Supports Access Control List (ACL) authentication of up to 512 entries and port-based security with IEEE802.1X
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- Supports IPv4/IPv6 network operation
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- IEEE 802.3ad LACP for auto port aggregation
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



8-Port L3 Lite Managed Gigabit PoE Industrial Switch

IGP-0871

- 4 Gigabit PoE ports, 2 Gigabit ports and 2 Gigabit SFP slots
- Total PoE power budget: 120W, up to 30W per port
- Supports IPv4/IPv6 network operation
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- -40°C to 75°C operating temperature range
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



12-Port L3 Lite Managed Gigabit PoE Industrial Switch

IGP-1271

- 8 Gigabit PoE ports and 4 Gigabit SFP slots
- Total PoE power budget: 240W, up to 30W per port
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- -40°C to 75°C operating temperature range
- Redundant power inputs with Terminal Block
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



12-Port L3 Lite Managed Gigabit Industrial Switch

IGU-1271

- 8 Gigabit Ethernet ports and 4 Gigabit SFP slots
- Supports IPv4/IPv6 network operation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Ethernet Ring Protection Switching (ERPS) for Ethernet ring topologies with sub-50 ms failover capabilities
- -40°C to 75°C operating temperature range
- Redundant power inputs with Terminal Block
- The built-in Device Management System (DMS) provides management, diagnostics and monitoring to connected network components and devices



5-Port Fast Ethernet PoE Industrial Switch

IES-0521
IES-0522

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet fiber port (IES-0522)
- 4 Fast Ethernet PoE ports and 1 Fast Ethernet port (IES-0521)
- Multi-mode fiber with SC connector for transmission of up to 2km (IES-0522)
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- -40°C to 85°C operating temperature range
- Total PoE power budget: 61.6W, up to 15.4W per port



5-Port Fast Ethernet PoE Industrial Switch

IFP-0501

- Total PoE power budget: 126W, up to 30W per port
- Provides flexibility of 4 x 10/100BASE-TX PoE ports
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



5-Port Fast Ethernet PoE Industrial Switch

IFP-0502

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



5-Port Fast Ethernet PoE Industrial Switch

IFP-0503

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet fiber port
- Total PoE power budget: 126W, up to 30W per port
- Single-mode fiber with SC connector for transmission of up to 30km
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



5-Port Fast Ethernet PoE Industrial Switch

IFP-0504

- 4 Fast Ethernet PoE ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with ST connector for transmission of up to 2km
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



8-Port Fast Ethernet PoE Industrial Switch

IFP-0801

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block and DC Jack



8-Port Fast Ethernet PoE Industrial Switch

IFP-0802

- Total PoE power budget: 200W, up to 30W per port
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



8-Port Fast Ethernet PoE Industrial Switch

IES-0811

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- Total PoE power budget: 61.6W, up to 15.4W per port
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- -20°C to 70°C operating temperature range



8-Port Fast Ethernet PoE Industrial Switch

IES-0812

- 4 Fast Ethernet PoE ports, 3 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Total PoE power budget: 61.6W, up to 15.4W per port
- Multi-mode fiber with SC connector for transmission of up to 2km
- -20°C to 70°C operating temperature range
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment



8-Port Fast Ethernet PoE Industrial Switch

IES-0821

- 4 Fast Ethernet PoE ports and 4 Fast Ethernet ports
- Total PoE power budget: 61.6W, up to 15.4W per port
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- -40°C to 85°C operating temperature range



8-Port Fast Ethernet PoE Industrial Switch

IES-0822

- 4 Fast Ethernet PoE ports, 3 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Total PoE power budget: 61.6W, up to 15.4W per port
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- -40°C to 85°C operating temperature range



8-Port Web Smart Fast Ethernet PoE Industrial Switch

IES-0852

- Port 1 - 4 support IEEE 802.3at Power over Ethernet Plus (PoE+)
- Total PoE power budget: 120W, up to 30W per port
- System, IP Configuration, Port-based VLAN and QoS Priority setting through the Web browser Interface
- Complies with NEMA TS2 for traffic control equipment
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- -40°C to 85°C operating temperature range



8-Port Web Smart Fast Ethernet PoE Industrial Switch

IES-0853

- 4 Fast Ethernet PoE ports, 3 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Total PoE power budget: 120W, up to 30W per port
- System, IP Configuration, Port-based VLAN and QoS Priority setting through the Web browser Interface
- Complies with NEMA TS2 for traffic control equipment
- Alarms for power and port link failure by relay output
- Redundant power inputs with Terminal Block and DC Jack
- -40°C to 85°C operating temperature range



10-Port Fast Ethernet PoE Industrial Switch

IES-1020

- 8 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- -40°C to 75°C operating temperature range
- Alarms for power failure by relay output
- Supports Rack Mounting installation
- Complies with NEMA TS2 for traffic control equipment
- Total PoE power budget: 240W, up to 30W per port



10-Port L2 Managed Fast Ethernet PoE Industrial Switch

IES-1084

- 8 Fast Ethernet PoE ports and 2 Gigabit ports
- Total PoE power budget: 181.6W, up to 30W per port
- PoE control and scheduling
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- MAC-based trunking with automatic link failover
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Per-port programmable MAC address locking
- -40°C to 85°C operating temperature range



10-Port L2 Managed Fast Ethernet PoE Industrial Switch

IES-1085

- 8 Fast Ethernet PoE ports and 2 Gigabit SFP slots
- Total PoE power budget: 181.6W, up to 30W per port
- PoE control and scheduling
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Per-port programmable MAC address locking
- -40°C to 85°C operating temperature range
- IEEE 802.3ad LACP for auto port aggregation



14-Port Fast Ethernet PoE Industrial Switch

IES-1420

- 12 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- Total PoE power budget: 360W, up to 30W per port
- Alarms for power failure by relay output
- Supports Rack Mounting installation
- Complies with NEMA TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- -40°C to 75°C operating temperature range



18-Port Fast Ethernet PoE Industrial Switch

IES-1820

- 16 Fast Ethernet PoE ports and 2 Gigabit RJ45/SFP combo ports
- Total PoE power budget: 480W, up to 30W per port
- -40°C to 75°C operating temperature range
- Alarms for power failure by relay output
- Supports Rack Mounting installation
- Complies with NEMA TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment



4-Port Gigabit PoE Industrial Switch

IGP-0401

- 2 Gigabit PoE ports, 1 Gigabit port and 1 Gigabit SFP slot
- Total PoE power budget: 65W, up to 30W per port
- Supports DIN-rail installation
- -40°C to 75°C operating temperature range
- Redundant power inputs with Terminal Block



6-Port Gigabit PoE Industrial Switch

IES-0610

- 4 Gigabit PoE ports, 1 Gigabit SFP slot and 1 Gigabit RJ45/SFP Combo port
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- IP30 metal case
- Redundant power inputs with Terminal Block



6-Port Gigabit PoE Industrial Switch

IES-0620

- 4 Gigabit PoE ports, 1 Gigabit SFP slot and 1 Gigabit RJ45/SFP Combo port
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- IP30 metal case
- Supports 12 to 55V DC power inputs
- Redundant power inputs with Terminal Block



8-Port Gigabit PoE Industrial Switch

IGP-0802

- Total PoE power budget: 200W, up to 30W per port
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



8-Port Gigabit PoE Industrial Switch

IGP-0801

- 4 Gigabit ports and 4 Gigabit PoE ports
- Total PoE power budget: 126W, up to 30W per port
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- -40°C to 75°C operating temperature range



10-Port Gigabit PoE Industrial Switch

IGP-1001

- 8 Gigabit PoE ports and 2 Gigabit RJ45/SFP combo ports
- Total PoE power budget: 240W, up to 30W per port
- -40°C to 75°C operating temperature range
- Supports DIN-rail installation
- Redundant power inputs with Terminal Block and DC Jack



12-Port Gigabit PoE Industrial Switch

IGP-1221

- 8 Gigabit PoE ports and 4 Gigabit SFP slots
- Total PoE power budget: 240W, up to 30W per port
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- -40°C to 75°C operating temperature range
- Redundant power inputs with Terminal Block



5-Port Fast Ethernet Industrial Switch

IFS-0501

- Provides flexibility of 5x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- Supports 9 to 56V DC power inputs



5-Port Fast Ethernet Industrial Switch

IFS-0502

- Multi-mode fiber with SC connector for transmission of up to 2km
- Provides flexibility of 4 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- Supports 9 to 56V DC power inputs



5-Port Fast Ethernet Industrial Switch

IFS-0503

- Single-mode fiber with SC connector for transmission of up to 30km
- Provides flexibility of 4 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- Supports 9 to 56V DC power inputs



5-Port Fast Ethernet Industrial Switch

IFS-0504

- Multi-mode fiber with ST connector for transmission of up to 2km
- Provides flexibility of 4 x 10/100BASE-TX ports
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block
- Supports 9 to 56V DC power inputs



5-Port Fast Ethernet Industrial Switch

IES-0500

- Provides flexibility of 5x 10/100BASE-TX ports
- -20°C to 70°C operating temperature range
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment



5-Port Fast Ethernet Industrial Switch

IES-0510

- 4 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- -20°C to 70°C operating temperature range
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment



5-Port Fast Ethernet Industrial Switch

IES-0520

- 4 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- Provides DIN-rail or panel mounting
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment



8-Port Fast Ethernet Industrial Switch

IES-0820

- Provides flexibility of 8 x 10/100BASE-TX ports
- Supports 12 to 56V DC power inputs
- Provides DIN-rail or panel mounting
- Redundant power inputs with Terminal Block
- -40°C to 75°C operating temperature range



8-Port Fast Ethernet Industrial Switch

IES-0830

- Alarms for power and port link failure by relay output
- Supports DIP switch configuration for link down alarm
- -40°C to 85°C operating temperature range
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- Complies with IEC61850-3 and IEEE1613 Environmental requirements for power substation automation systems
- Complies with EN50121-4 environmental requirement for Railway application
- Redundant power inputs with Terminal Block and DC Jack
- Supports 12 to 48V DC power inputs



8-Port Fast Ethernet Industrial Switch

IES-0831

- 6 Fast Ethernet ports and 2 Fast Ethernet fiber ports
- Multi-mode fiber with SC connector for transmission of up to 2km
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power and port link failure by relay output
- Supports DIP switch configuration for link down alarm
- -40°C to 85°C operating temperature range
- Complies with NEMA TS2 for traffic control equipment
- Complies with IEC61850-3 and IEEE1613 for power substation automation systems
- Complies with EN50121-4 for railway application



10-Port L2 Managed Fast Ethernet Industrial Switch

IES-1070

- 8 Fast Ethernet ports and 2 Gigabit ports
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- MAC-based trunking and LACP
- IEEE 802.1x Access Control to improve network security
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- -20°C to 70°C operating temperature range



10-Port L2 Managed Fast Ethernet Industrial Switch

IES-1071

- 8 Fast Ethernet ports and 2 Gigabit SFP slots
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- MAC-based trunking and LACP
- IEEE 802.1x Access Control to improve network security
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- -20°C to 70°C operating temperature range



10-Port L2 Managed Fast Ethernet Industrial Switch

IES-1080

- 8 Fast Ethernet ports and 2 Gigabit ports
- Complies with NEMA TS2 for traffic control equipment
- Complies with EN50121-4 for railway application
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- -40°C to 85°C operating temperature range



10-Port L2 Managed Fast Ethernet Industrial Switch

IES-1081

- 8 Fast Ethernet ports and 2 Gigabit SFP slots
- Complies with NEMA TS2 for traffic control equipment
- Complies with EN50121-4 for railway application
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- -40°C to 85°C operating temperature range



16-Port Fast Ethernet Industrial Switch

IES-1610

- Provides flexibility of 16 x 10/100BASE-TX ports
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power failure by relay output
- -20°C to 70°C operating temperature range
- Provides DIN-rail, panel or rack mounting
- Complies with IEC61000-6-2 for industrial environment



16-Port Fast Ethernet Industrial Switch

IES-1611

- 15 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Multi-mode fiber with SC connector for transmission of up to 2km
- Alarms for power failure by relay output
- -20°C to 70°C operating temperature range
- Provides DIN-rail, panel or rack mounting
- Complies with IEC61000-6-2 for industrial environment



16-Port Fast Ethernet Industrial Switch

IES-1620

- Provides flexibility of 16 x 10/100BASE-TX ports
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power failure by relay output
- -40°C to 85°C operating temperature range
- Complies with NEMA TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment



16-Port Fast Ethernet Industrial Switch

IES-1621

- 15 Fast Ethernet ports and 1 Fast Ethernet fiber port
- Multi-mode fiber with SC connector for transmission of up to 2km
- Redundant power inputs (12-48V DC) with Terminal Block and DC Jack (12V DC)
- Alarms for power failure by relay output
- Provides DIN-rail, panel or rack mounting
- Complies with NEMA TS2 for traffic control equipment
- -40°C to 85°C operating temperature range



18-Port L2 Managed Fast Ethernet Industrial Switch

IES-1870

- 16 Fast Ethernet ports and 2 Gigabit ports
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based and 802.1Q VLAN Tagging and GVRP
- MAC-based trunking and LACP
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- -20°C to 70°C operating temperature range



18-Port L2 Managed Fast Ethernet Industrial Switch

IES-1880

- 16 Fast Ethernet ports and 2 Gigabit ports
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based and 802.1Q VLAN Tagging and GVRP
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Complies with NEMA TS2 for traffic control equipment
- -40°C to 85°C operating temperature range



28-Port Modular L2 Managed Fast Ethernet Industrial Switch

IES-2892

- Support up to 24/18 Fast Ethernet RJ45/Fiber (SC Multi-mode) ports and 4 Gigabit RJ45/SFP combo ports
- Supports α -ring and RSTP/MSTP/STP for Ethernet redundancy and GOOSE Message
- Zero Packet Loss pass by GOOSE Message
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Complies with IEC61850-3/IEEE1613 for power substations and EN50121-4 for railway applications
- -40°C to 85°C operating temperature range



6-Port Gigabit Industrial Switch

IES-0600

- 5 Gigabit ports with 1 shared SFP slot and 1 Gigabit SFP slot
- -40°C to 75°C operating temperature range
- IP30 metal case
- Supports 9 to 56V DC power inputs
- Redundant power inputs with Terminal Block



8-Port L2 Managed Gigabit Industrial Switch

IES-0880

- Supports α-ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- IEEE 802.1p QoS with 4 priority queues
- MAC-based trunking with automatic link failover
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- IEEE 802.1x Access Control to improve network security
- -40°C to 75°C operating temperature range



RJ45 to SFP Managed Fast Ethernet Media Converter

FVM-1000

- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Web-based and SNMP Management
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports VLAN (tag-based, Q-in-Q)
- Transfers data from 10/100Base-TX copper to fiber interfaces



RJ45 to SC Managed Fast Ethernet Media Converter

FVM-1101

- Multi-mode fiber with SC connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Web-based and SNMP Management
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports VLAN (tag-based, Q-in-Q)



RJ45 to SC Managed Fast Ethernet Media Converter

FVM-1220

- Single-mode fiber with SC connector for transmission of up to 20km
- Web-based and SNMP Management
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports VLAN (tag-based, Q-in-Q)



RJ45 to SC Fast Ethernet Media Converter

FVT-0103TXFC

- 10/100BASE-TX UTP to 100BASE-FX fiber media conversion
- Multi-mode transmission over fiber, up to 2 km
- High-quality SC optical fiber connector port
- Complies with IEEE 802.3af PoE standard as a PD device
- Over-current protection and under-current detection
- DIP Switch for customized configurations



RJ45 to SC Fast Ethernet Media Converter

FVT-0104TXFC

- Single-mode fiber transmission, up to 20 km
- 10/100BASE-TX UTP to 100BASE-FX fiber media conversion
- High-quality SC optical fiber connector port
- Complies with IEEE 802.3af PoE standard as a PD device
- Over-current protection and under-current detection
- DIP Switch for customized configurations



RJ45 to SC Fast Ethernet Media Converter

FVT-0203TXFC

- IEEE 802.3af PoE PSE with 15.4W power budget
- 10/100BASE-TX UTP to 100BASE-FX copper to fiber media converter
- Multi-mode fiber transmission up to 2 km
- High-quality SC connector
- Link-loss-forwarding
- Provides Link Fault Pass and Far End Fault
- DIP Switch for customized configuration
- Internal power supply



RJ45 to SC Fast Ethernet Media Converter

FVT-0204TXFC

- IEEE 802.3af PoE PSE with 15.4W power budget
- 10/100BASE-TX UTP to 100BASE-FX copper to fiber media converter
- Single-mode fiber transmission, up to 20 km
- High-quality SC connector port
- Link-Loss-Forwarding
- Provides Link Fault Pass and Far End Fault
- DIP Switch for customized configuration
- Internal AC power supply



RJ45 to SC Fast Ethernet Media Converter

FVT-1101

- Supports the transmission of extra-long packets up to 1.6KB
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Multi-mode fiber with SC connector for transmission of up to 2km
- Supports low-time lag transmission



RJ45 to SC Fast Ethernet Media Converter

FVT-1102

- Supports the transmission of extra-long packets up to 1.6KB
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Single-mode fiber with SC connector for transmission of up to 20km
- Supports low-time lag transmission



RJ45 to SC Fast Ethernet Media Converter

FVT-1103

- Supports the transmission of extra-long packets up to 1.6KB
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Single-mode fiber with SC connector for transmission of up to 40km
- Supports low-time lag transmission



RJ45 to SC Fast Ethernet Media Converter

FVT-1104

- Supports the transmission of extra-long packets up to 1.6KB
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Single-mode fiber with SC connector for transmission of up to 60km
- Supports low-time lag transmission



RJ45 to SC Fast Ethernet Media Converter

FVT-1105

- Supports the transmission of extra-long packets up to 1.6KB
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Single-mode fiber with SC connector for transmission of up to 80km
- Supports low-time lag transmission



RJ45 to SC Fast Ethernet Media Converter

FVT-1106

- Supports the transmission of extra-long packets up to 1.6KB
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Single-mode fiber with SC connector for transmission of up to 120km
- Supports low-time lag transmission



RJ45 to SC Fast Ethernet Media Converter

FVT-2001

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with SC connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



RJ45 to ST Fast Ethernet Media Converter

FVT-2002

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with ST connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



RJ45 to SC Fast Ethernet Media Converter

FVT-2201

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Single-mode fiber with SC connector for transmission of up to 20km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



RJ45 to SC BIDI Fast Ethernet Media Converter Set

FVT-2202

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range
- Single-mode fiber with BIDI SC connector for transmission of up to 20km



RJ45 to SC Fast Ethernet Media Converter

FVT-2401

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Single-mode fiber with SC connector for transmission of up to 40km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



RJ45 to SFP Managed Gigabit Media Converter

GVM-1000

- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Web-based and SNMP Management
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Supports VLAN (tag-based, Q-in-Q)
- Support Operations, Administration, and Maintenance (OAM) mechanisms
- Transfers data from 10/100/1000Base-T copper to fiber interfaces



RJ45 to SC Managed Gigabit Media Converter

GVM-1101

- Multi-mode fiber with SC connector for transmission of up to 500m
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Web-based and SNMP Management
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Supports VLAN (tag-based, Q-in-Q)
- Support Operations, Administration, and Maintenance (OAM) mechanisms



RJ45 to SC Managed Gigabit Media Converter

GVM-1220

- Single-mode fiber with SC connector for transmission of up to 20km
- Web-based and SNMP Management
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Supports VLAN (tag-based, Q-in-Q)
- Support Operations, Administration, and Maintenance (OAM) mechanisms



RJ45 to SFP Gigabit Media Converter

GVT-2000

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- 9K jumbo frames to increase data transfer rates
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



RJ45 to SC Gigabit Media Converter

GVT-2001

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- 1000Base-SX Multi-mode fiber for the link up to 550m
- 9K jumbo frames to increase data transfer rates
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



RJ45 to SC Gigabit Media Converter

GVT-2002

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- 9K jumbo frames to increase data transfer rates
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Single-mode fiber with SC connector for transmission of up to 20km
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



RJ45 to SFP Gigabit Media Converter

GVT-2010

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- IEEE 802.3af PoE PD that can be powered by PoE PSE or external power supply
- 9K jumbo frames to increase data transfer rates
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range



RJ45 to SFP Gigabit Media Converter Switch

GVT-2011

- 1 Gigabit Ethernet port and 2 Gigabit SFP slots
- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports low-time lag transmission
- -10°C to 55°C operating temperature range



RJ45 to SFP Gigabit Media Converter, PoE PSE

GVT-2012

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- IEEE 802.3af/at PoE PSE with 30W power budget
- 9K jumbo frames to increase data transfer rates
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- IEEE 802.3z Gigabit Ethernet compliant



Ethernet over VDSL2 Converter

VDS-0110 (SENDER)
VDS-0111 (RECEIVER)

- Features selectable Fast and Interleaved modes
- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 350m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings



Ethernet over VDSL2 Converter (PSE)

VDS-0120

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 300m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings
- IEEE 802.3af PoE PSE with 15.4W power budget



Ethernet over VDSL2 Converter (PD)

VDS-0130

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 300m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings
- Power support: PoE (IEEE 802.3af)



Ethernet over VDSL2 Converter (Annex A)

VDS-0200

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 300m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings



Ethernet over VDSL2 Converter (Annex B)

VDS-0201

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Supports a VDSL connection up to 2km over single pair copper wire
- Provides 100Mbps downstream and 60Mbps upstream over 300m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings



Ethernet over VDSL2 Converter (BNC Connection)

VDS-0202

- Selectable fixed data rate and fixed SNR margin
- Low-Latency for Video/Voice/Data applications
- Features selectable Fast and Interleaved modes
- Provides 100Mbps downstream and 60Mbps upstream over 400m
- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings
- Supports a VDSL connection up to 2km over single coaxial cable



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1000

- Multi-mode fiber with SC connector for transmission of up to 2km
- Complies with NEMA TS1/TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations with DC Terminal Block power
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1020

- Single-mode fiber with SC connector for transmission of up to 20km
- Complies with NEMA TS1/TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations with DC Terminal Block power
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- Redundant power inputs with Terminal Block and AC Jack



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1040

- Single-mode fiber with SC connector for transmission of up to 40km
- Complies with NEMA TS1/TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- ISA 12.12.01 (UL1604) Class I, Division 2 Classified for use in hazardous locations with DC Terminal Block power
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- Redundant power inputs with Terminal Block and AC Jack



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1100

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Multi-mode fiber for the link up to 2km
- -20°C to 70°C operating temperature range
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 484K bits buffer memory
- Supports DIN-rail installation



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1120

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Single-mode fiber for the link up to 20km
- -20°C to 70°C operating temperature range
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 484K bits buffer memory
- Supports DIN-rail installation



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1140

- Provides 1-port 10/100Base-TX plus 1-port 100Base-FX
- 100Base-FX Single-mode fiber for the link up to 40km
- -20°C to 70°C operating temperature range
- 10/100Mbps, full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Supports 12 to 48V DC power inputs
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 484K bits buffer memory
- Supports DIN-rail installation



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1800

- Complies with IEC61850-3 and IEEE1613 Environmental requirements for power substation automation systems
- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- 100Base-FX Multi-mode fiber for the link up to 2km
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1820

- Complies with IEC61850-3 and IEEE1613 Environmental requirements for power substation automation systems
- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- 100Base-FX Single-mode fiber for the link up to 20km
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-1840

- Complies with IEC61850-3 and IEEE1613 for power substation automation systems
- Complies with NEMA TS1/TS2 for traffic control equipment
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case
- 100Base-FX Single-mode fiber for the link up to 40km



RJ45 to SFP Fast Ethernet Industrial Media Converter

IEC-4000

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- -40°C to 75°C operating temperature range
- Provides DIN-rail or panel mounting
- ESD and surge protection



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-4001

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with SC connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- -40°C to 75°C operating temperature range
- Provides DIN-rail or panel mounting
- ESD and surge protection



RJ45 to ST Fast Ethernet Industrial Media Converter

IEC-4002

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with ST connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- ESD and surge protection
- Provides DIN-rail or panel mounting
- -40°C to 75°C operating temperature range



RJ45 to SC Fast Ethernet Industrial Media Converter

IEC-4301

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Single-mode fiber with SC connector for transmission of up to 30km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Provides DIN-rail or panel mounting
- -40°C to 75°C operating temperature range
- ESD and surge protection



RJ45 to SFP Gigabit Industrial Media Converter

IEC-2000

- Complies with NEMA TS1/TS2 for traffic control equipment
- Complies with IEC61000-6-2 for industrial environment
- SFP slot supports pluggable Gigabit optic modules that enabling you to choose from a variety of transceiver
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



RJ45 to SC Gigabit Industrial Media Converter

IEC-2001

- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 1000Base-SX Multi-mode fiber for the link up to 550m
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



RJ45 to SC Gigabit Industrial Media Converter

IEC-2002

- Complies with NEMA TS1 & TS2 Environmental requirements for Traffic control equipment
- Complies with IEC61000-6-2 EMC Generic standard immunity for Industrial environment
- 1000Base-SX Multi-mode fiber for the link up to 2km
- DIP switch configuration for "Link-Fault-Pass-Through," link down alarm, speed, duplex mode
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- Alarms for power and port link failure by relay output
- -40°C to 85°C operating temperature range
- IP30 aluminum case



RJ45 to SFP Gigabit Industrial Media Converter

IGC-0101

- IEEE 802.3af/at PoE PSE with 30W power budget
- 9K jumbo frames to increase data transfer rates
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- -40°C to 75°C operating temperature range
- Supports DIN-rail installation



12-Port Fast Ethernet High Power PoE Injector Hub

POH-1260

- Centralized power distribution for PoE Powered Device (PD)
- Overvoltage/overcurrent/overtemperature/short circuit protection
- Total PoE power budget: 375W, up to 30W per port



12-Port Fast Ethernet PoE Injector Hub

POH-1250

- Centralized power distribution for PoE Powered Device (PD)
- Overvoltage/overcurrent/overtemperature/short circuit protection
- Total PoE power budget: 200W, up to 15.4W per port



PoE Injector

POI-2002

- Up to 15.4W of PoE Power
- Minimize the need for a bulky power adapter and power line
- Delivering power and data to equipment via a single Ethernet cable
- Internal power supply
- High safety with surge protection
- Remote power feeding up to 100 meters
- PnP, Light Weight and compact size
- Unique interlocking feature for easy installation



Gigabit PoE Injector, 802.3af PoE

POI-2001

- 10/100/1000Mbps wire speed transmission and reception
- IEEE 802.3af PoE PSE with 15.4W power budget
- Auto-detection and protection of non-standard PoE devices
- Unique interlocking feature for easy installation



Gigabit PoE Injector

POI-3000

- IEEE 802.3af/at PoE PSE with 30W power budget
- Auto-detection and protection of non-standard PoE devices
- Unique interlocking feature for easy installation
- 10/100/1000Mbps wire speed transmission and reception



PoE Injector

POI-3002

- Remove the need for a bulky power adapter and power line
- Delivers power and data to equipment via a single Ethernet cable
- Remote power feeding up to 100m
- Unique interlocking feature for easy installation
- Surge protected to enhance safety
- Simple Plug and Play installation
- Compact, lightweight design
- Total PoE power budget: 30W, up to 30W per port



Gigabit PoE Injector

POI-3004

- Remove the need for a bulky power adapter and power line
- Delivers power and data to equipment via a single Ethernet cable
- Remote power feeding up to 100m
- Unique interlocking feature for easy installation
- Surge protected to enhance safety
- Simple Plug and Play installation
- Compact, lightweight design
- Total PoE power budget: 30W, up to 30W per port



PoE Injector

POI-4000

- 56 Watt High-Power PSE Power Injector
- Sends Power over Ethernet to remote devices
- Ethernet 100Mbps Wire Speed
- Simple to install-plug & play
- Power Protection: OCP, OVP



Gigabit PoE Injector

POI-5001

- Auto-detection and protection of non-standard PoE devices
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Total PoE power budget: 60W, up to 60W per port



Industrial Gigabit PoE Injector

IGP-0101

- PoE ports can support the IEEE 802.3at standard and power up 30W devices
- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- -40°C to 75°C operating temperature range
- Provides DIN-rail, wall or desktop mounting
- IP30 metal case
- Redundant power inputs with Terminal Block



Fast Ethernet PoE Splitter
POS-1002

- IEEE 802.3af compliant
- Converts non-PoE devices with Power over Ethernet support
- DIP switch for 5V, 9V, and 12V adjustable output power
- Delivers power and data via a single Ethernet cable
- Eliminates the need for a bulky power adapter and powerline
- Compatible with Wireless Router, AP, Network Camera, Print Server, Converter
- Light weight and compact size
- Provides interchangeable tips



Gigabit PoE Splitter
POS-3000

- Compact splitter supports Gigabit speeds
- Reduce installation and network equipment costs
- Safeguards network device with short circuit protection
- Adjustable DIP switch for 5V, 9V, or 12V output
- Integrates Non-PoE devices with Power Over Ethernet support
- Auto-sensing power drawn from 802.3af / 802.3at power source equipment(PSE) devices
- Supplies power up to 25 watts
- Provides Interchangeable tips



PoE Repeater
POR-0100

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- No additional power supply required
- Simple Plug and Play installation
- Multiple PoE repeaters can be deployed by daisy chain to extend range



PoE Repeater
POR-0101

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- Simple Plug and Play installation
- No additional power supply required



PoE Repeater
POR-0102

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



PoE Repeater
POR-0103

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required



PoE Repeater

POR-0200

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



PoE Repeater

POR-0202

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



Gigabit PoE Repeater

POR-0120

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



Gigabit PoE Repeater

POR-0122

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



Gigabit PoE Repeater

POR-0220

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



Gigabit PoE Repeater

POR-0222

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



PoE Repeater

POR-1100

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Weatherproof IP65-rated housing
- No additional power supply required
- Simple Plug and Play installation
- Multiple PoE repeaters can be deployed by daisy chain to extend range



PoE Repeater

POR-1102

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Weatherproof IP65-rated housing
- No additional power supply required
- Simple Plug and Play installation
- Multiple PoE repeaters can be deployed by daisy chain to extend range



PoE Repeater

POR-1200

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- Weatherproof IP65-rated housing
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



PoE Repeater

POR-1202

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- Weatherproof IP65-rated housing
- Simple Plug and Play installation
- No additional power supply required
- Multiple PoE repeaters can be deployed by daisy chain to extend range



Gigabit PoE Repeater

POR-1220

- Forwards 802.3af/802.3at/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 output ports for 1 PoE and 1 non-PoE devices
- 10/100/1000Mbps wire speed transmission and reception
- Weatherproof IP65-rated housing
- Multiple PoE repeaters can be deployed by daisy chain to extend range
- Simple Plug and Play installation, no additional power supply required



Gigabit PoE Repeater

POR-1222

- Forwards 802.3af/High-Power PoE to remote device
- High Power Midspan PoE compliant to simplify deployment and installation
- Built-in 2 PoE ports for PoE devices
- 10/100/1000Mbps wire speed transmission and reception
- Weatherproof IP65-rated housing
- Multiple PoE repeaters can be deployed by daisy chain to extend range
- Simple Plug and Play installation, no additional power supply required



**PoE over Hybrid
Cable Receiver,
1 PoE Output**

PFE-1001R



**PoE over Hybrid
Cable Transmitter,
65W**

PFE-1001T



**PoE over Hybrid
Cable Receiver, 4 PoE
Outputs**

PFE-1004R



**PoE over Hybrid Cable
Receiver, 1 PoE Output,
Indoor/Outdoor**

PFE-1011R



**PoE over Hybrid Cable
Receiver, 4 PoE Out-
puts, Indoor/Outdoor**

PFE-1014R



**PoE over Hybrid Cable
Transmitter, 120W**

PFE-1101T

- Extend data and power up to 2km via a single Hybrid Fiber Cable
- Enable PoE devices to distant remote location
- Supporting high power consumption devices (up to 60W at 450m link)
- Flexible installation option - 1 or 4 PoE output receivers selectable
- Outdoor casing protects operation under wide temperature range (PFE-1011R/1014R)
- Outdoor weatherproof models are sustainable from water and dust (PFE-1011R/1014R)



PoE over 2-wire Transmitter

POT-0100



PoE over 2-wire Receiver

POT-0110



PoE over 2-wire Receiver

POT-1110

- Two-wire cables are used to connect 100Mbps Fast Ethernet PoE devices
- Maximum distance up to 400 meters for 24 AWG cable
- Maximum data rate up to 60 Mbps full duplex
- Remote PoE capability for PD devices of WiFi AP, IP camera, IP telephones
- Up to 15 Watts for remote PoE, Depending on PSE power
- Easy installation by indoor & outdoor different models
- Dip Switches for 2-wire line rate settings
- Auto MDIX for 10/100 Base T Ethernet LAN Ports
- Low-Latency for Video/Voice/Data applications
- IP65 Weatherproof (POT-1110)



2-Port USB VGA KVM Switch, audio support

KVM-0221

- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Supports video resolutions up to 2048 x 1536
- Easy switching between computers with keyboard hotkeys/ front panel push button
- Windows and Mac switching software support
- Self powered through USB connection
- Independent/simultaneous switching of PC and audio/mic channel
- Provides auto-scanning features and audio support



2-Port USB KVM Switch

KVM-0222

- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Supports video resolutions up to 2048 x 1536
- Easy switching between computers with keyboard hotkeys/ front panel push button
- Windows and Mac switching software support
- Self powered through USB connection
- Independent/simultaneous switching of PC and audio/mic channel



2-Port USB VGA Cable KVM Switch, audio support

KVM-0223

- 1 x wired QuickSwitch button for instant switching
- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Windows and Mac switching software support
- USB 2.0 hub ports for keyboard, mouse or other high-speed USB devices
- VGA analog video up to 2048 x 1536 pixels
- Independent/simultaneous switching of PC and audio/mic channel
- User-definable hotkeys and universal hotkey for computer switching



2-Port USB DVI-D Single Link Cable KVM Switch, audio support

KVM-0260

- Supports high-video quality – DDC2B and 1920x1200 pixels
- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Provides auto-scanning features and audio/microphone support
- Supports HDCP, High-Bandwidth Digital Content Protection
- Easy switching between computers with keyboard hotkeys
- Self powered through USB connection
- Simple Plug and Play installation



2-Port USB HDMI Cable KVM Switch

KVM-0290

- Supports high-video quality – DDC2B and 1920x1200 pixels
- Control and manage 2 computers by using a single USB keyboard, mouse and monitor
- Provides auto-scanning features
- Supports HDCP, High-Bandwidth Digital Content Protection
- Easy switching between computers with keyboard hotkeys
- Self powered through USB connection
- Simple Plug and Play installation



4-Port USB VGA KVM Switch, audio support

KVM-0421

- Control and manage 4 computers by using a single USB keyboard, mouse and monitor
- Supports video resolutions up to 2048 x 1536
- Easy switching between computers with keyboard hotkeys/ front panel push button
- Windows and Mac switching software support
- Self powered through USB connection
- Independent/simultaneous switching of PC and audio/mic channel
- Provides auto-scanning features and audio support



4-Port USB VGA KVM Switch

KVM-0422

- Control and manage 4 computers by using a single USB keyboard, mouse and monitor
- Supports video resolutions up to 2048 x 1536
- Easy switching between computers with keyboard hotkeys/ front panel push button
- Windows and Mac switching software support
- Self powered through USB connection
- Independent/simultaneous switching of PC and audio/mic channel
- Provides auto-scanning features and audio support



8-Port PS/2-USB VGA KVM Switch

KVM-0831

- Control and manage 8 computers or up to 120 computers via daisy chain function from a single location
- Supports video resolutions up to 1920 x 1440
- Built-in IP module slot for KVM-over-IP capability
- Provides auto-scanning features



16-Port PS/2-USB VGA KVM Switch

KVM-1631

- Control and manage 16 computers or up to 256 computers via daisy chain function from a single location
- Supports video resolutions up to 1920 x 1440
- Built-in IP module slot for KVM-over-IP capability
- Provides auto-scanning features



15" LCD KVM Rack Console

KVM-0115US (US KEYBOARD)
KVM-0115DE (DE KEYBOARD)

- Bright Active Matrix TFT Display
- OSD function for LCD display
- Panel Protected by Tempered Glass
- 15 pins high density connector
- 15 Language keyboard format and easy glide touchpad
- Durable Keyboards
- Support PS/2 and USB Console Interface
- Support DVI Interface
- Supports video resolutions of up to 1024 x 768



17" LCD KVM Rack Console

KVM-0117US (US KEYBOARD)
KVM-0117DE (DE KEYBOARD)
KVM-0117FR (FR KEYBOARD)

- Bright Active Matrix TFT Display
- OSD function for LCD display
- Panel Protected by Tempered Glass
- 15 pins high density connector
- 15 Language keyboard format and easy glide touchpad
- Durable Keyboards
- Support PS/2 and USB Console Interface
- Support DVI Interface
- Supports video resolutions of up to 1280 x 1024



17" LCD Modular KVM Rack Console

KVM-0217US (US KEYBOARD)
KVM-0217DE (DE KEYBOARD)

- Daisy chain up to 7 additional KVM switches to control up to 64/128 computers
- Provides dual support for USB, PS/2 computer interface
- Supports video resolutions of up to 1280x1024
- Two-layer security access with support for 8 unique profile user accounts
- KVM Management over LAN or Internet possible with connected LevelOne KVM Cat.5 or IP modules
- 300m Cat.5 remote console capable



19" Widescreen LCD KVM Rack Console

KVM-8901US (US KEYBOARD)
KVM-8901DE (DE KEYBOARD)
KVM-8901FR (FR KEYBOARD)
KVM-8901UK (UK KEYBOARD)
KVM-8901ES (ES KEYBOARD)

- Modular design for optional KVM switches, enabling management of up to 128 computers
- Dual Interface for PS/2 and USB keyboard/mouse
- Easy switching between computers with keyboard hotkeys/ On Screen Display (OSD) menus
- Auto scan mode for non-stop monitoring of selected computer
- Password protection prevents unauthorized access



USB KVM Extender

KVM-9006

- A single, inexpensive Cat.5 or above UTP cable replaces bulky KVM cables
- Locate Cat.5 console up to 150m away from the KVM switch with superior auto-adjust RGB signals capability
- Collocate computers and servers on one location, ideal for hazardous or unsecured environments
- Switch computers by push button or hotkey commands
- Audible feedback when switching
- LED indicators for computer status or data transmission
- 3-in-1 space saving design
- Work with PS/2 or USB computer
- Easy to install and use with plug-and play functionality



12-Outlet Intelligent Power Distribution Unit

IPS-1201E (200-240V AC)

IPS-1201A (100-125V AC)

- Hourly-based current statistics for analysis and diagnosis
- Alarms for power failure by relay output
- Management: web browser, SNMP, SSH and Hyper Terminal
- Network Security: TLS and SSH
- Power on/off control on each port
- Access Control: Access Control List (ACL) / RADIUS
- Power protection: overvoltage / overcurrent



24-Port PoE Surge Protector, 6KV, 30W

ESP-2400

- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- 6KV surge protection level on each port
- Complete protection against power surges for PoE devices
- Port isolation design prevents surge spread
- Remote power feeding up to 100m
- 19-inch rackmount kit included
- Simple Plug and Play installation



Parallel Print Server
FPS-1031

- Parallel print server for network print sharing
- Simple setup with user-friendly interface
- Support multiple network printing protocols
- Support multiple operating systems



USB Print Server
FPS-1032

- USB print server for network print sharing
- USB 2.0 interface
- Simple setup with user-friendly interface
- Support multiple network printing protocols
- Support multiple operating systems



IP SURVEILLANCE



GEMINI Fixed IP Network Camera

FCS-5058

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Supports IPv4/IPv6 network operation
- Removable IR-cut filter for day and night surveillance
- Built-in Micro SD/SDHC card slot for local storage
- Built-in infrared LEDs for night viewing up to 30m



GEMINI Fixed IP Network Camera

FCS-5059

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Digital input/output (1DI/1DO) for sensor and alarm
- Power support: PoE (IEEE 802.3af)
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Supports motion detection (Intrusion/camera tampering/line crossing) and event notification



GEMINI Fixed IP Network Camera

FCS-5060

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Digital input/output (1DI/1DO) for sensor and alarm
- Power support: PoE (IEEE 802.3af)
- Supports 4X optical zoom



GEMINI Zoom IP Network Camera

FCS-5096

- 60 fps High Frame Rate (HFR) video in 1080p
- Video compression: H.264, H.265
- Supports 4.3X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP67-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Built-in Micro SDHC/SDXC card slot for local storage



HUBBLE Fixed IP Network Camera

FCS-1150 (3-MEGAPIXEL)
FCS-1160 (5-MEGAPIXEL)

- Built-in Micro SDHC/SDXC card slot for local storage
- 3/5-Megapixel high-definition resolution
- Supports 12X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Dual power support: 12V DC/PoE (IEEE 802.3af)



HUBBLE Fixed IP Network Camera

FCS-5056

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP68-rated housing
- 3-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



HUBBLE Fixed IP Network Camera

FCS-5101

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- Weatherproof IP66-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



HUBBLE Fixed IP Network Camera

FCS-5102

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- BNC connector for analog video output
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- Supports 4.3X optical zoom
- Weatherproof IP66-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



HUBBLE Fixed IP Network Camera

FCS-5104

- 3-Megapixel high-definition resolution
- Built-in infrared LEDs for night viewing up to 15m
- Video compression: H.264/H.265/MJPEG
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Weatherproof IP66-rated housing



GEMINI Fixed IP Network Camera

FCS-5067

- 4-Megapixel high-definition resolution
- Video compression: H.264/MJPEG
- Built-in infrared LEDs for night viewing up to 30m
- Power support: PoE (IEEE 802.3af)
- Features 3DNR (3-Dimension Noise Reduction) to produce extremely clear picture quality even under low light condition
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Weatherproof IP66-rated housing



HUBBLE Fixed IP Network Camera

FCS-0051

- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



HUBBLE Varifocal IP Network Camera

FCS-1158

- 5-Megapixel high-definition resolution
- Video compression: H.264, H.265, MJPEG
- Auto Back Focus (ABF) enhances camera functionality
- P-iris automatic lighting control for high image quality
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- BNC connector for analog video output
- Supports 2 video streams simultaneously
- Digital input/output (1DI/1DO) for sensor and alarm
- Built-in Micro SD/SDHC card slot for local storage



GEMINI Fixed IP Network Camera

FCS-5068

- 5-Megapixel high-definition resolution
- Video compression: H.264/MJPEG
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Digital input/output (1DI/1DO) for sensor and alarm
- Power support: PoE (IEEE 802.3af)
- Weatherproof IP66-rated housing
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance



GEMINI Fixed IP Network Camera

FCS-5092 (5-MEGAPIXEL)
FCS-5093 (8-MEGAPIXEL)

- 5/8-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 50m
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Weatherproof IP67-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage



GEMINI Fixed IP Network Camera

FCS-5094

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Weatherproof IP67-rated housing
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Built-in Micro SDHC/SDXC card slot for local storage
- Dual power support: 12V DC/PoE (IEEE 802.3at)



HUBBLE Fixed IP Network Camera

FCS-5103

- 5-Megapixel high-definition resolution
- Supports 2.8X optical zoom
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- BNC connector for analog video output
- Weatherproof IP66-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



GEMINI Fixed IP Network Camera

FCS-5095

- 8-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP67-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Built-in Micro SDHC/SDXC card slot for local storage
- Dual power support: 12V DC/PoE (IEEE 802.3af)



GEMINI Fixed Dome IP Network Camera

FCS-3073

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Removable IR-cut filter for day and night surveillance
- Supports IPv4/IPv6 network operation
- Vandal-proof IK10-rated housing
- Built-in Micro SD/SDHC card slot for local storage



GEMINI Fixed Dome IP Network Camera

FCS-3084

- Weatherproof IP66-rated housing
- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Provides IR correction feature suitable for day and night viewing
- Supports IPv4/IPv6 network operation
- Vandal-proof IK10-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- Built-in infrared LEDs for night viewing up to 30m



GEMINI Fixed Dome IP Network Camera

FCS-4203

- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/H.265/MJPEG
- Supports 4.3X optical zoom
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- Power support: PoE (IEEE 802.3af)
- Built-in Micro SD/SDHC card slot for local storage
- Weatherproof IP67-rated housing



HUBBLE Fixed Dome IP Network Camera

FCS-3053

- 3-Megapixel high-definition resolution
- Built-in infrared LEDs for night viewing up to 20m
- Video compression: H.264/MJPEG
- Removable IR-cut filter for day and night surveillance
- Power support: PoE (IEEE 802.3af)



HUBBLE Fixed Dome IP Network Camera

FCS-3054

- Built-in Micro SDHC/SDXC card slot for local storage
- 3-Megapixel high-definition resolution
- Vandal-proof IK08-rated housing
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



HUBBLE Fixed Dome IP Network Camera

FCS-3056

- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Built-in Micro SDHC/SDXC card slot for local storage
- 3-Megapixel high-definition resolution
- Vandal-proof IK09-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



HUBBLE Fixed Dome IP Network Camera

FCS-3082 (3-MEGAPIXEL)
FCS-3083 (5-MEGAPIXEL)

- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Weatherproof IP67-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- 3/5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



HUBBLE Fixed Dome IP Network Camera

FCS-3302

- H.265/264, 3-Megapixel, 802.3af PoE, IR LEDs, Vandalproof, two-way audio, Indoor/Outdoor
- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265/MPEG4
- Vandal-proof IK10-rated housing
- Built-in Micro SD/SDHC card slot for local storage
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Built-in infrared LEDs for night viewing up to 5m
- Weatherproof IP66-rated housing



HUBBLE Fixed Dome IP Network Camera

FCS-3303

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Built-in infrared LEDs for night viewing up to 20m
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Dual power support: 12V DC/PoE (IEEE 802.3af)



HUBBLE Fixed Dome IP Network Camera

FCS-3304

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Weatherproof IP66-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



HUBBLE Fixed Dome IP Network Camera

FCS-3306

- 3-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP68-rated housing



GEMINI Fixed Dome IP Network Camera

FCS-3085

- 4-Megapixel high-definition resolution
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- Power support: PoE (IEEE 802.3af)
- Video compression: H.264/MJPEG
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 30m
- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP66-rated housing
- Supports motion detection (Intrusion/camera tampering/line crossing) and event notification



GEMINI Fixed Dome IP Network Camera

FCS-3086

- 4-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Vandal-proof IK10-rated housing
- Weatherproof IP66-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage



HUBBLE Fixed Dome IP Network Camera

FCS-3063

- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



HUBBLE Fixed Dome IP Network Camera

FCS-3065

- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK08-rated housing
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



GEMINI Fixed Dome IP Network Camera

FCS-3087

- 5-Megapixel high-definition resolution
- Built-in infrared LEDs for night viewing up to 30m
- Removable IR-cut filter for day and night surveillance
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP66-rated housing



GEMINI Fixed Dome IP Network Camera

FCS-3090

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Built-in infrared LEDs for night viewing up to 30m
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Vandal-proof IK10-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP67-rated housing



GEMINI Fixed Dome IP Network Camera

FCS-3097 (5-MEGAPIXEL)
FCS-3098 (8-MEGAPIXEL)

- 5/8-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP67-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- Built-in infrared LEDs for night viewing up to 30m
- Dual power support: 12V DC/PoE (IEEE 802.3af)



HUBBLE Fixed Dome IP Network Camera

FCS-3305

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Vandal-proof IK10-rated housing
- Supports 2.8X optical zoom
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Weatherproof IP66-rated housing



HUBBLE Fixed Dome IP Network Camera

FCS-3307

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Built-in infrared LEDs for night viewing up to 30m
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Weatherproof IP68-rated housing
- Vandal-proof IK10-rated housing
- Dual power support: 12V DC/PoE (IEEE 802.3af)



GEMINI Fixed Dome IP Network Camera

FCS-3096

- 8-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Weatherproof IP67-rated housing
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Dual power support: 12V DC/PoE (IEEE 802.3af)



HUBBLE PTZ IP Network Camera

FCS-4048

- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- Supports 33X optical zoom
- Built-in infrared LEDs for night viewing up to 150m
- Weatherproof IP66-rated housing
- Vandal-proof IK10-rated housing
- 360° pan and 220° tilt movements allow for a wide range of monitoring angles
- Triple power support: 12V DC/24V AC/PoE (IEEE 802.3at 60W)



GEMINI PTZ IP Network Camera

FCS-4051

- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264/MJPEG
- Built-in infrared LEDs for night viewing up to 100m
- Built-in Micro SD/SDHC card slot for local storage
- Supports 20X optical zoom
- Dual power support: 12V DC/PoE (IEEE 802.3at)
- Weatherproof IP66-rated housing
- 360° pan and 105° tilt movements allow for a wide range of monitoring angles



GEMINI PT IP Network Camera

FCS-4103

- 4-Megapixel high-definition resolution
- Video compression: H.264/MJPEG
- Built-in Micro SD/SDHC card slot for local storage
- Built-in infrared LEDs for night viewing up to 10m
- Removable IR-cut filter for day and night surveillance
- Provides wireless speed up to 150Mbps
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- 180° pan and 75° tilt movements allow for a wide range of monitoring angles



HUBBLE PTZ Dome IP Network Camera

FCS-4042

- 2-Megapixel (1920 x 1080) high-definition resolution
- 360° pan and 190° tilt movements allow for a wide range of monitoring angles
- Supports 30X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Features 3DNR (3-Dimension Noise Reduction) to produce extremely clear picture quality even under low light condition
- 3D privacy masks for private area protection
- Removable IR-cut filter for day and night surveillance
- Built-in Micro SDHC/SDXC card slot for local storage
- Dual power support: 24V AC/PoE (IEEE 802.3at)
- Weatherproof IP67-rated housing



GEMINI Panoramic Dome IP Network Camera

FCS-3092

- Built-in Micro SDHC/SDXC card slot for local storage
- 5-Megapixel high-definition resolution
- Offers various 360°/180° video modes for panoramic wide-angle surveillance
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK08-rated housing
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



HUBBLE Panoramic Dome IP Network Camera

FCS-3093

- Built-in Micro SDHC/SDXC card slot for local storage
- Weatherproof IP68-rated housing
- 5-Megapixel high-definition resolution
- Offers various 360°/180° video modes for panoramic wide-angle surveillance
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Shockproof for rolling stock application
- Video compression: H.264/MJPEG
- Power support: PoE (IEEE 802.3af)



HUBBLE Panoramic Dome IP Network Camera

FCS-3094

- Built-in Micro SDHC/SDXC card slot for local storage
- 10-Megapixel high-definition resolution
- Offers various 360°/180° video modes for panoramic wide-angle surveillance
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Removable IR-cut filter for day and night surveillance
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Video compression: H.264/MJPEG



HUBBLE Network Video Recorder

NVR-1204 (4-CHANNEL)
NVR-1209 (9-CHANNEL)
NVR-1216 (16-CHANNEL)

- Free CMS (Central Management System) software with 64-channel license
- Supports video resolutions up to 10 megapixels
- Supports 4-Megapixel HDMI local display
- Live view of up to 4/9/16 channels
- 2 x 3.5" hard drive bays support disk capacity of up to 4TB
- Supports motion detection and event notification via e-mail or FTP
- Supports PTZ/preset point/preset sequence
- Motion detect and event display on e-map



GEMINI 4-Channel PoE Network Video Recorder

NVR-0504

- Video compression: H.264/H.265
- Supports 4k2k HDMI local display
- 1 x 3.5" hard drive bay supports disk capacity of up to 6TB
- Built-in 4 PoE ports for PoE devices
- Supports video resolutions up to 8 megapixels



GEMINI 8-Channel PoE Network Video Recorder

NVR-0508

- Supports video resolutions up to 8 megapixels
- Supports 4k2k HDMI local display
- Built-in 8 PoE ports for PoE devices
- 2 x 3.5" hard drive bays support disk capacity of up to 6TB
- Video compression: H.264/H.265/MPEG4
- Built



GEMINI 16-Channel Network Video Recorder

NVR-1316

- Supports video resolutions up to 12MP
- Video compression: H.264/H.265/MPEG4
- Supports 4k2k HDMI local display
- Display mode: Live view/playback/full screen
- 4 x 3.5" hard drive bays support disk capacity of up to 6TB



GEMINI 32-Channel Network Video Re- corder

NVR-0437

- Supports video resolutions up to 6 megapixels
- Display mode: Live view/playback/full screen
- Supports smart camera search and 2-way audio
- Supports PTZ/preset point/preset sequence
- Supports iPhone/Android phone remote viewing over the Internet
- 4 x 3.5" hard drive bays support disk capacity of up to 6TB



GEMINI 32-Channel Network Video Recorder

NVR-0732

- Supports video resolutions up to 12 megapixels
- Video compression: H.265, H.264, MPEG4
- Supports 4k2k HDMI local display
- Provides RAID (0/1/5/10) technology for advanced data security and improved performance
- 8 x 3.5" hard drive bays support disk capacity of up to 10TB



GEMINI 64-Channel Network Video Recorder

NVR-0764

- Supports video resolutions up to 12 megapixels
- Video compression: H.265, H.264, MPEG4
- Supports 4k2k HDMI local display
- Provides RAID (0/1/5/10) technology for advanced data security and improved performance
- 8 x 3.5" hard drive bays support disk capacity of up to 10TB



HUBBLE 200-Channel Network Video Recorder

NVR-5500

- Video compression: H.264/MPEG-4/MJPEG
- Provides RAID (0/1/5/6/10) technology for advanced data security and improved performance
- Supports 1080p HDMI local display
- Supports PTZ/preset point/preset sequence
- Motion detect and event display on e-map
- 8 x 3.5" hard drive bays support disk capacity of up to 6TB
- Free CMS (Central Management System) software with 64-channel license



4-Channel Video Encoder, 802.3af PoE

FCS-7004

- Supports 2 video streams simultaneously
- Video compression: H.264/MJPEG
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- Built-in Micro SD/SDHC/SDXC card slot for local storage
- Supports RS-485/422 serial communication



1-Channel BNC over Fiber Optic Extender Kit, 20km

AVF-1101

- Transmits analogue video signal over single fiber cable
- Uncompressed high quality video transmission
- Transmit up to 20 km without optical attenuation
- No RF interference or signal degradation over optical fiber
- No EMI and electromagnetic interference
- LED indicator status for instance system monitoring
- True Plug & Play design facilitates ease of installation
- -25°C to 75°C operating temperature range



4-Channel BNC over Fiber Optic Extender Kit, 20km

AVF-1401

- Transmits analogue video signal over single fiber cable
- Uncompressed high quality video transmission
- Transmit up to 20 km without optical attenuation
- No RF interference or signal degradation over optical fiber
- No EMI and electromagnetic interference
- LED indicator status for instance system monitoring
- True Plug & Play design facilitates ease of installation
- -25°C to 75°C operating temperature range



8-Channel BNC over Fiber Optic Extender Kit, 20km

AVF-1801

- Transmits analogue video signal over single fiber cable
- Uncompressed high quality video transmission
- Transmit up to 20 km without optical attenuation
- No RF interference or signal degradation over optical fiber
- No EMI and electromagnetic interference
- LED indicator status for instance system monitoring
- True Plug & Play design facilitates ease of installation
- -25°C to 75°C operating temperature range



OneSecure Central Management System

FCS-9300

- Manage unlimited number of NVR servers
- Live view local up to 64 Channels
- Synchronized playback local up to 64 Channels
- Export video with RAW and AVI formats
- Event trigger, response and notification
- Mobile Client, Web Client, Workstation
- Location-based management with eMap
- TV Wall support by additional software license



OneSecure Surveillance Management Software

FCS-9364

- Free bundle 64 Channels. License fee is required to unlock additional channel - Maximum up to 100 Channels total.
- Recording up to 100 Channels
- Live view local up to 100 Channels, remote up to 100 Channels
- Event trigger, response and notification
- Mobile Client, Web Client, Workstation
- Location-based management with eMap



IP CamSecure Pro Mega Surveillance Software

FCS-9464 (64-CHANNEL)

- Monitor up to 64 channels simultaneously
- Dual monitor supported for live view and playback simultaneously
- "Smart guard" event analysis and instant response to monitor larger areas more efficiently
- "Smart search" for easy locating of recorded events as well as multi-events viewer and filter
- "Counting application" for objects amount control
- Supports Web-based and 3G mobile remote monitoring
- Broadcast live video over the Internet for remote viewing
- Support both digital and analogue cameras in one system
- Control pan/tilt/zoom features on cameras



IP CamSecure Central Management System

FCS-9900

- Client-server distributed architecture & centralized management
- Access and control unlimited cameras, I/O devices, operator clients and display matrices
- Unlimited layers of E-map indicates cameras, I/O devices and server locations
- Multiple servers can be located at multiple sites
- H.264, MPEG4, MJPEG, and MxPEG video compressions
- Real time alarm management and instruct the operator to respond
- Unlimited Matrix display wall that stream and display live video from LevelOne IP CamSecure Pro Surveillance Management Software



DIGITAL SIGNAGE





HDMI over IP PoE Receiver

HVE-6501R



HDMI over IP PoE Transmitter

HVE-6501T

- Flexible and scalable HDMI 1080p High Quality Video Broadcasting with Gigabit Ethernet LAN
- Multicasting and broadcasting architecture, adding more displays without adding LAN bandwidth loading
- Transmits HDTV resolutions up to 1080p.
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- HDMI 1.3b and HDCP compliant
- Support Point-to-Point, Point-to-Many and Many-to-Many network configuration
- Dual power input: 802.3af compliant PoE & DC5V
- Up to 16 transmitters and more than 200 receivers possible in a single system
- Multicasting group with Gigabit Ethernet switch via 802.1Q VLAN and IGMP
- Built-in DIP switch to change Group ID and Utility for remotely
- Multi-casting group with Gigabit Ethernet switch (required 802.1Q VLAN & IGMP function)
- RS-232 Control Pass-Thru to control HDMI display from transmitter side
- Plug and Play installation, free bundle utility for advance setting



HDMI Video Wall over IP PoE Receiver

HVE-6601R



HDMI Video Wall over IP PoE Transmitter

HVE-6601T

- Flexible and scalable HDMI 1080p Video Wall Broadcasting with Gigabit Ethernet LAN
- Multicasting and broadcasting architecture, adding more displays without adding LAN bandwidth loading
- Up to 8 transmitters and 64 receivers possible in a single Video Wall system
- Transmits HDTV resolutions up to 1080p.
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- HDMI 1.3b and HDCP compliant
- Support Point-to-Point, Point-to-Many and Many-to-Many network configuration
- Dual power input: 802.3af compliant PoE & DC5V
- Multicasting group with Gigabit Ethernet switch (required 802.1Q VLAN & IGMP function)
- Built-in DIP switch to change Group ID and Utility for remotely
- RS-232 Control Pass-Thru to control HDMI display from transmitter side
- Plug and Play installation, free bundle utility for advance setting



HDSpider™ HDMI over Cat.5 Long Range Receiver

HVE-9000



HDSpider™ HDMI over Cat.5 Transmitter

HVE-9001



HDSpider™ HDMI over Cat.5 Transmitter with Local HDMI Output

HVE-9002



HDSpider™ HDMI over Cat.5 Transmitter, Cascadable

HVE-9003



HDSpider™ 4-Port HDMI over Cat.5 Transmitter

HVE-9004



HDSpider™ 8-Port HDMI over Cat.5 Transmitter

HVE-9008



HDSpider™ HDMI over Cat.5 Short Range Receiver

HVE-9900



HDMI over Cat.5 Extender Kit, 50m, 4K2K

HVE-9010



HDMI over Cat.5 Receiver, 50m, 4K2K

HVE-9011R



HDMI over Cat.5 Transmitter, 50m, 4K2K

HVE-9011T

- Works with Cat.5, Cat.5e, Cat.6 Ethernet cable
- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Minimize the cable skew using 8-level adjustable equalization knob
- Provides Higher speed - 6.75Gbps
- HDMI deep color enables display with more natural and vivid colors
- HDMI 1.3c compliant



HDMI over Cat.5 Extender Kit

HVE-9005

- Support HDMI Deep Color & full 3D & 4K2K@30 (HDBaseT-Lite technology)
- Extend the transmission up to 60m (198ft) from the HDMI source at Full HD 1080p 48-bit and 40m (130ft) at 4K2K@30
- HDCP & EDID Bypass, CEC support, Auto equalization
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.5/5e/6 cable transmission
- DTS-HD Master Audio and Dolby TrueHD high bit rate audio support
- Support full frequency IR signal from 20KHz to 60KHz
- Bi-directional IR pass-through
- Wall mounting housing design for easy and robust installation



HDMI over Cat.5 Extender Kit, 300m, 4K2K

HVE-9100



HDMI over Cat.5 Receiver, 300m, 4K2K

HVE-9111R



HDMI over Cat.5 Receiver, 300m, Full HD 1080P

HVE-9111RF



HDMI over Cat.5 Transmitter, 300m

HVE-9111T



VGA Audio over Cat.5 Receiver, 300m

HVE-9111VR



VGA Audio over Cat.5 Transmitter, 300m

HVE-9111VT



HDMI over Cat.5 Transmitter, 300m, 4 Channel Outputs

HVE-9114T



4-Port VGA Audio over Cat.5 Transmitter, 300m

HVE-9114VT



HDMI over Cat.5 Transmitter, 300m, 8 Channel Outputs

HVE-9118T



8-Port VGA Audio over Cat.5 Transmitter, 300m

HVE-9118VT

- Transmission distance of up to 300m for 1080P resolution
- HDMI outputs with EDID management
- Screw-in power socket for added safety



HDMI over Cat.5 Transmitter, HDBaseT, 100m, 4 Channel Outputs

[HVE-9214T](#)

- Simple Plug and Play installation
- Built-in EDID Hot Plug Detection (HPD)
- HDMI outputs with EDID management
- Transmission distance of up to 100m for HDMI(4k2k), IR and RS-232
- Bi-Directional RS-232 pass through and IR control
- Supports video resolutions up to 3840 x 2160 (4K x 2K) @ 30Hz
- HDMI and HDCP complaint
- Supports Dolby TrueHD, DTS-HD Master Audio, Dolby Digital Plus, LPCM 7.1 audio
- Supports 3D, CEC & Lip Sync pass-through
- Screw-in power socket for added safety



HDMI over Cat.5 Extender Kit, HDBaseT, 100m

[HVE-9200](#)



HDMI over Cat.5 Extender Kit, HDBaseT, 100m, 802.3af PoE

[HVE-9200P](#)



HDMI over Cat.5 Receiver, HDBaseT, 100m, 802.3af PoE

[HVE-9211PR](#)



HDMI over Cat.5 Receiver, HDBaseT, 100m

[HVE-9211R](#)



HDMI over Cat.5 Transmitter, HDBaseT, 100m, 4 Channel Outputs, 802.3af PoE

[HVE-9214PT](#)

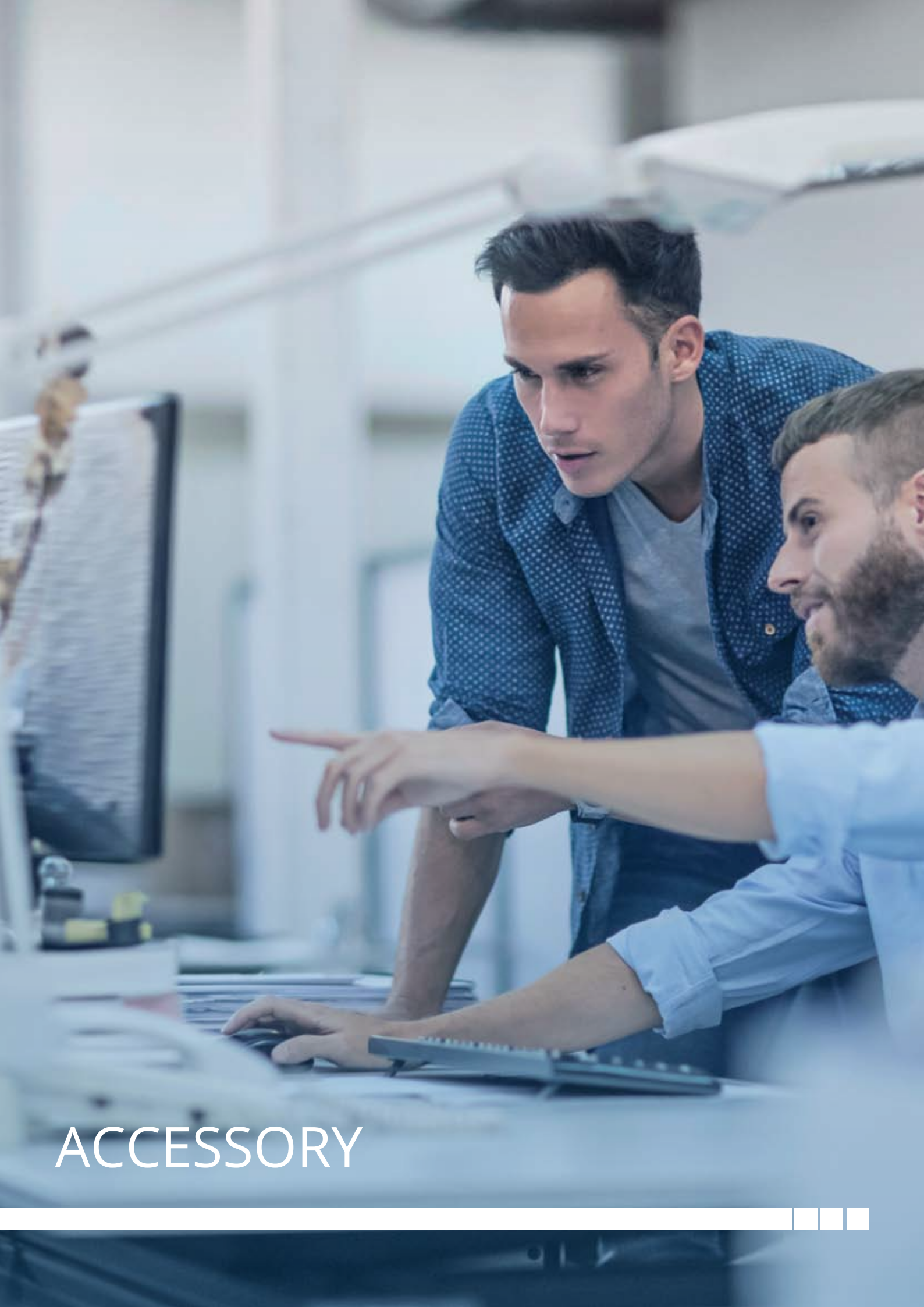
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Simple Plug and Play installation
- Built-in EDID Hot Plug Detection (HPD)
- HDMI outputs with EDID management
- Transmission distance of up to 100m for HDMI(4k2k), IR and RS-232
- Bi-Directional RS-232 pass through and IR control
- Supports video resolutions up to 3840 x 2160 (4K x 2K) @ 30Hz
- HDMI and HDCP complaint
- Supports Dolby TrueHD, DTS-HD Master Audio, Dolby Digital Plus, LPCM 7.1 audio
- Supports 3D, CEC & Lip Sync pass-through
- Screw-in power socket for added safety



Digital Signage Station

DSS-1000

- Display video or slide show on signage channels through the digital signage software
- Supports video resolutions up to 10 megapixels
- Supports 1080p HDMI local display
- Live view of up to 16 channels
- BNC connector for analog video output
- Dual power support: 12V DC/PoE (IEEE 802.3af)
- VESA standards compliant



ACCESSORY





Box Camera Housing
BOH-1400

- Weatherproof IP66-rated housing
- Vandal-proof IK10-rated housing
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



Box Camera Housing
BOH-1401

- Weatherproof IP66-rated housing
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



Box Camera Housing
BOH-1410

- Weatherproof IP66-rated housing
- FEVE coating application enhance UV and acid protection
- Vandal-proof IK10-rated housing
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



Box Camera Housing
BOH-1411

- Weatherproof IP66-rated housing
- FEVE coating application enhance UV and acid protection
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



Dome Camera Housing

DOH-1000

- Designed for Indoor/outdoor applications
- IP66 rated camera outdoor dome housing
- Lightweight for Mounting on the wall
- Easy access for service and installation
- Withstands severe weather
- Low Cost



Dome Camera Housing

DOH-1100

- Heavy-duty aluminium dome for outdoor and indoor installation
- 2-layer dome design keeps cameras cool
- Special fluorocarbon coating resists harsh acids and bases (i.e. salt water)
- Auto-sensing fan and heater for internal temperature control
- Vandal-proof polycarbonate cover
- IP-66 rated protection level

LENS



Varifocal Lens

CAS-1300

- Megapixel 1/3" CCD high-definition (HD) resolution
- 2.8-8.5 mm adjustable Vari-focal length for wide angle surveillance
- F-1.4 Auto-iris automatic lighting control for high image quality
- Provides IR correction feature suitable for day and night viewing



Varifocal Lens

CAS-1400

- 2-Megapixel (1600 x 1200) high-definition resolution
- 2.8-12 mm adjustable Vari-focal length for wide angle surveillance
- F-1.4 Auto-iris automatic lighting control for high image quality
- Provides IR correction feature suitable for day and night viewing



10Gbps SFP+ Direct Attach Copper Cable, Twinax

DAC-0101 (1M)
DAC-0103 (3M)
DAC-0105 (5M)

- Support for multi-gigabit data rates up to 10.5Gbps
- Data rates backward compatible to 1Gbps
- Hot-pluggable SFP 20PIN footprint
- I/O Connector designed for high speed differential signal applications
- Improved Pluggable Form Factor(IPF) compliant for enhanced EMI/EMC performance
- Compatible to SFP+ MSA
- Temperature Range: 0~ 70 °C
- RoHS Compatible



1.25Gbps Multi-mode SFP Transceiver

GVT-0300

- Small Form Factor Pluggable MSA compliant
- For Multi-mode Applications
- Up to 850nm & 1.25Gbps
- Compliant for IEEE802.3z Gigabit Ethernet
- Easy to install and Hot-pluggable
- Connect switches up to 550m away with each other
- Single 3.3V power supply
- Duplex LC Connector
- TTL signal detect indicator
- EEPROM with serial ID functionality



1.25Gbps Single-mode SFP Transceiver

GVT-0301

- 1310nm FP Laser Diode
- Connect switches up to 10km away with each other
- TTL signal detect indicator
- Compliant with IEEE802.3z Gigabit Ethernet
- Easy to install and hot-swappable
- Differential LVPECL input and output
- Single 3.3V power supply
- Duplex LC connector



1.25Gbps Single-mode SFP Transceiver

GVT-0302

- 1550nm FP Laser Diode
- Connect switches up to 80km away with each other
- TTL signal detect indicator
- Compliant with IEEE802.3z Gigabit Ethernet
- Easy to install and hot-swappable
- Differential LVPECL input and output
- Single 3.3V power supply
- Duplex LC connector



155Mbps Multi-mode 155Mbps Single- SFP transceiver, 2km

SFP-1101

- 850nm FP Laser Diode
- 100Base-FX Multi-mode fiber for the link up to 2km
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



155Mbps Single-mode SFP Transceiver, 20km

SFP-1311

- 1310nm FP Laser Diode
- 100Base-FX Single-mode fiber for the link up to 20km
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



155Mbps Single-mode SFP Transceiver, 40km

SFP-1411

- 1310nm FP Laser Diode
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Duplex LC Connector
- Compliance with 100Base-FX of IEEE802.3u Standard
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1



1.25Gbps Multi-mode SFP Transceiver, 550m

SFP-3001

- 850nm FP Laser Diode
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Provides duplex LC connector
- 3.3V Single power supply
- IEEE 802.3z Gigabit Ethernet compliant
- Hot-swappable
- RoHS compliant and Lead Free
- Operating temperature: 0°C to 70°C



1.25Gbps Multi-mode SFP Transceiver, 2km

SFP-3111

- 1310nm FP Laser Diode
- 1.25Gbps Bi-directional single fiber link
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



1.25Gbps Single-mode SFP Transceiver, 20km

SFP-3211

- 1310nm FP Laser Diode
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Hot-swappable providing non-stop service
- Provides duplex LC connector
- 3.3V Single power supply
- IEEE 802.3z Gigabit Ethernet compliant
- RoHS compliant and Lead Free
- Operating temperature: 0°C to 70°C



1.25Gbps Single-mode SFP Transceiver, 40km

SFP-3411

- 1310nm FP Laser Diode
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- IEEE 802.3z Gigabit Ethernet compliant
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- Provides duplex LC connector
- RoHS compliant and Lead Free



1.25Gbps Single-mode SFP Transceiver

SFP-3611 (80KM)
SFP-3711 (120KM)

- 1550nm DFB Laser Diode
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



1.25Gbps Copper SFP Transceiver, 100m, RJ45

SFP-3841

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Operating temperature: 0°C to 70°C
- RoHS compliant and Lead Free
- Hot-swappable



10Gbps Multi-mode SFP+ Transceiver, 300m, 850nm

SFP-6101

- High-quality 10Gbase short range SFP-Plus transceiver
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



10Gbps Single-mode SFP+ Transceiver, 10km, 1310nm

SFP-6121

- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



10Gbps Single-mode SFP+ Transceiver, 40km, 1550nm

SFP-6141

- High-quality 10gbase Long range SFP-Plus transceiver
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Provides duplex LC connector
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



10Gbps Single-mode SFP+ Transceiver, 80km, 1550nm

SFP-6181

- 1550nm FP Laser Diode
- High-quality 10Gbase Long range SFP-Plus transceiver
- compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Provides duplex LC connector
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports digital diagnostics Monitoring Interface (ddMI) for easy status monitoring



155Mbps Single-mode BIDI SFP Transceiver, 20km

SFP-7321

- TX 1310nm / RX 1550nm
- 100Base-FX Single-mode fiber for the link up to 20km
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



155Mbps Single-mode BIDI SFP Transceiver, 20km

SFP-7331

- TX 1550nm / RX 1310nm
- 100Base-FX Single-mode fiber for the link up to 20km
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



155Mbps Single-mode BIDI SFP Transceiver, 40km

SFP-7421

- TX 1310nm / RX 1550nm
- 100Base-FX Single-mode fiber for the link up to 40km
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



155Mbps Single-mode BIDI SFP Transceiver, 40km

SFP-7431

- TX 1550nm / RX 1310nm
- 100Base-FX Single-mode fiber for the link up to 40km
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



1.25Gbps Single-mode BIDI SFP Transceiver, 10km

SFP-9221

- TX 1310nm / RX 1550nm
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



1.25Gbps Single-mode BIDI SFP Transceiver, 10km

SFP-9231

- TX 1550nm / RX 1310nm
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



1.25Gbps Single-mode BIDI SFP Transceiver, 20km

SFP-9321

- TX 1310nm / RX 1550nm
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



1.25Gbps Single-mode BIDI SFP Transceiver, 20km

SFP-9331

- TX 1550nm / RX 1310nm
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



1.25Gbps Single-mode BIDI SFP Transceiver, 40km

SFP-9421

- TX 1310nm / RX 1550nm
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



1.25Gbps Single-mode BIDI SFP Transceiver, 40km

SFP-9431

- TX 1550nm / RX 1310nm
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- Provides duplex LC connector
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards
- Hot-swappable providing non-stop service
- RoHS compliant and Lead Free
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring



10Gbps Single-mode XFP Transceiver, 10km

XFP-5211

- 10Gbps serial optical interface compliant to 802.3ae
- Uncooled 1310nm DFB transmitter and Pin photodiode receiver
- XFI High Speed Electrical Interface
- 2-wire interface for management and digital diagnostic monitor
- Operating case temperature: -5°C~75°C
- All-metal housing for superior EMI performance
- Advanced firmware allows customer system encryption information to be stored in transceiver



10Gbps Multi-mode XFP Transceiver, 300m

XFP-5901

- Hot Pluggable
- XFI Electrical interface
- Operating case temperature: -5°C ~75°C
- Optical interface compliant to IEEE802.3ae
- 850nm VCSEL transmitter, PIN photo-detector
- All-metal housing for superior EMI performance
- Advanced firmware allow customer system encryption information to be stored in transceiver
- No reference clock needed



125Mbps Multi-mode Industrial SFP Transceiver, 2km

SFP-2100

- 850nm FP Laser Diode
- Provides duplex LC connector
- Compliant with Fast Ethernet standard
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing
- -20°C to 85°C operating temperature range



125Mbps Multi-mode Industrial SFP Transceiver, 2km

SFP-2200

- 1310nm FP Laser Diode
- Provides duplex LC connector
- Compliant with Fast Ethernet standard
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing
- -20°C to 85°C operating temperature range



125Mbps Single-mode Industrial SFP Transceiver

SFP-2230 (30KM)
SFP-2260 (60KM)
SFP-2280 (80KM)

- 1310nm FP Laser Diode
- -40°C to 85°C operating temperature range
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



125Mbps Single-mode Industrial SFP Transceiver

SFP-2300 (20KM)
SFP-2310 (100KM)
SFP-2320 (120KM)

- 1550nm FP Laser Diode
- -40°C to 85°C operating temperature range
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Multi-mode Industrial SFP Transceiver, 550m

SFP-4200

- 850nm FP Laser Diode
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing
- -20°C to 85°C operating temperature range



1.25Gbps Single-mode Industrial SFP Transceiver

SFP-4210 (10KM)
SFP-4240 (40KM)

- 1310nm FP Laser Diode
- -40°C to 85°C operating temperature range
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode Industrial SFP Transceiver, 70km

SFP-4270

- 1550nm FP Laser Diode
- -40°C to 85°C operating temperature range
- Provides duplex LC connector
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 10km

SFP-4310

- TX 1310nm / RX 1550nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 10km

SFP-4320

- TX 1550nm / RX 1310nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 20km

SFP-4330

- TX 1310nm / RX 1550nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 20km SFP-4340

- TX 1550nm / RX 1310nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 40km SFP-4350

- TX 1310nm / RX 1550nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 40km SFP-4360

- TX 1550nm / RX 1310nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 60km SFP-4370

- TX 1310nm / RX 1550nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 60km SFP-4380

- TX 1550nm / RX 1310nm
- -40°C to 85°C operating temperature range
- Provides simplex LC connector
- 1.25Gbps Bi-directional single fiber link
- IEEE 802.3z Gigabit Ethernet compliant
- 3.3V Single power supply
- Hot-swappable
- RoHS compliant and Lead Free
- Low EMI with metal housing



9dBi 2.4GHz Omni-directional Outdoor Antenna

OAN-2090

- IEEE 802.11 b/g/n application in 2.4GHz Frequency Range
- Omni-directional operation provides extended point to multi-point coverage



12dBi 2.4GHz Omni-directional Antenna

OAN-2121

- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Provides 12dBi omnidirectional operation
- Low wind loading
- -30°C to 60°C operating temperature range



10dBi 5GHz Omni-directional Antenna

OAN-4102

- For IEEE 802.11a/n/ac Wireless applications in 5 GHz frequency range
- Provides 10dBi omnidirectional operation
- Low wind loading
- -30°C to 60°C operating temperature range



12dBi 5GHz Omni-directional Antenna

OAN-4121

- For IEEE 802.11a/n/ac Wireless applications in 5 GHz frequency range
- Provides 12dBi omnidirectional operation
- Low wind loading
- -30°C to 60°C operating temperature range



5dBi/8dBi 2.4GHz/ 5GHz Dual Band Omnidirectional Antenna

[OAN-4058](#)

- Provides 5dBi/8dBi omnidirectional operation
- For IEEE 802.11a/b/g/n/ac Wireless applications in 2.4/5 GHz frequency range
- Low wind loading
- -30°C to 60°C operating temperature range



12dBi 2.4GHz Directional Panel Antenna

[WAN-2121](#)

- Provides 12dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Low wind loading



18dBi 2.4GHz Directional Panel Antenna

[WAN-2182](#)

- Provides 18dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Low wind loading
- -30°C to 60°C operating temperature range



20dBi 2.4GHz Directional Panel Antenna

[WAN-2201](#)

- Provides 20dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Low wind loading
- -30°C to 60°C operating temperature range



20dBi 5GHz Directional Panel Antenna

[WAN-4201](#)

- Provides 20dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11a/n/ac Wireless applications in 5 GHz frequency range
- Low wind loading
- -30°C to 60°C operating temperature range



15dBi 2.4GHz Directional Dual-Polarization Panel Antenna

[WAN-7151](#)

- Provides 15dBi directional operation
- For IEEE 802.11b/g/n Wireless applications in 2.4GHz frequency range
- Directional operation provides extended point to point coverage
- Dual-Polarization to avoid interference
- Low wind loading
- -30°C to 60°C operating temperature range



15dBi 5GHz Directional Dual-Polarization Panel Antenna

WAN-9151

- Provides 15dBi directional operation
- Directional operation provides extended point to point coverage
- For IEEE 802.11a/n/ac Wireless applications in 5 GHz frequency range
- Dual-Polarization to avoid interference
- Low wind loading



18dBi 5GHz Directional Dual-Polarization Outdoor Panel Antenna

WAN-9180

- Operates in 5GHz band, according to IEEE 802.11a/n specifications
- Antenna diversity at 18dBi high gain performance
- Dual-Polarization to avoid interference
- Easy to install on the wall surface
- Wideband frequency performance enables future growth and increases flexibility



Antenna Cable

ANC-4110 (1M)

ANC-4150 (5M)

- N male to N male
- Heat shrink tubing on both ends for wire insulation and protection
- CFD-400 low loss coaxial cable



12V DC Industrial Power Supply

POW-1212

- 36W
- Universal AC Input at Full Range
- Output equipped with open wires
- Short Circuit, Overload / Over Voltage Protection
- 100% Full Load Burn-in Test
- Compact, lightweight design



24V DC Industrial Power Supply

POW-2411

- 30W, DIN-Rail
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- Isolation Class II
- 100% Full Load Burn-in Test



24V DC Industrial Power Supply

POW-2421

- 60W, DIN-Rail
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- Isolation Class II
- 100% Full Load Burn-in Test
- UL 508 approval



24V DC Industrial Power Supply

POW-2431

- 75W, DIN-Rail
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- Isolation Class II
- 100% Full Load Burn-in Test
- UL 508 approval



24V DC Industrial Power Supply

POW-2441

- 120W, DIN-Rail
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- Isolation Class II
- 100% Full Load Burn-in Test
- UL 508 approval



48V DC Industrial Power Supply

POW-4811

- 48V DC, 40W, DIN-Rail
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- 100% Full Load Burn-in Test
- DC OK Relay Contact



48V DC Industrial Power Supply

POW-4821

- 75W, DIN-Rail, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- 100% Full Load Burn-in Test
- UL 508 approval



48V DC Industrial Power Supply

POW-4841

- 120W, DIN-Rail, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- UL 508 approval



48V DC Industrial Power Supply

POW-4851

- 240W, DIN-Rail, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- 100% Full Load Burn-in Test
- UL 508 approval



48V DC Industrial Power Supply

POW-4861

- 480W, DIN-Rail, PoE Ready
- Universal AC Input at Full Range
- Short Circuit, Overload / Over Voltage Protection
- Fanless Design
- Supports DIN-rail installation
- 100% Full Load Burn-in Test
- UL 508 approval



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