

24-Port PoE+ Web-Managed Gigabit Ethernet Switch with 2 SFP Ports

24 x PoE ports, IEEE 802.3at/af Power over Ethernet (PoE+/PoE), 2 x SFP, Endspan, 19" Rackmount

Part No.: 560559

Save Installation Time and Money with PoE

The Intellinet Network Solutions 24-Port PoE+ Web-Managed Desktop Gigabit Switch (560559) is designed to pass both data and electrical power to a number of PoE-compatible devices via standard Cat5e or Cat6 network cables. Equipped with 24 Gigabit Ethernet ports, all of which support 802.3at/af Power over Ethernet (PoE/PoE+), this switch and can power Wireless LAN access points and bridges, VoIP (Voice over Internet Protocol) telephones, IP surveillance cameras and more while delivering network speeds of up to 1000 Mbps.

Power over Ethernet 802.3at

The Intellinet PoE+ Web-Managed Desktop Gigabit Switch supports the IEEE 802.3at protocol and is designed to inject up to 30 watts of power per port*. IEEE802.3af or IEEE802.3at compliant devices attached to the switch require no additional power, thus eliminating the time and expense of electrical rewiring and minimizing the unsightly clutter caused by power supplies and adapters in awkward places such as ceilings and walls. Any mix of PoE and non-PoE devices is supported, and thanks to its short circuit, overload and high-voltage protection function, your equipment is well-protected. For devices that are not 802.3at/af compliant (legacy wireless access points or network cameras), we suggest use of an Intellinet PoE/PoE+ Splitter.

Eliminate Bottlenecks with Gigabit Speeds

Equipped with 24 auto-sensing 10/100/1000 Mbps RJ45 Gigabit Ethernet ports, the 24-Port PoE+ Web-Managed Desktop Gigabit Switch (560559) offers plenty of performance for your computers, servers and other networking devices. in addition, two small form-factor pluggable GBIC module slots (SFP) provide fiber connectivity for greater distances.

Web-Management

This PoE switch is equipped with an impressive array of advanced management functions that allow you to be in full control over your network. The 24-Port PoE+ Web-Managed Desktop Gigabit Switch supports VLAN, port aggregation, QoS, port mirroring, SNMP V1 and the popular SNMP V2c – just to name a few.

* Total PoE budget for this switch is 164 watts. Per-port average power distribution is 6.8 watts; maximum per-port power usage cannot exceed 30 watts.

Features:

- Provides power and data connection for up to 24 PoE network devices
- Save installation cost by delivering data and power over existing network cables
- 10/100/1000 auto-sensing ports automatically detect optimal network speeds
- Two small form-factor pluggable GBIC module slots (SFP)
- IEEE 802.3at/af-compliant RJ45 PoE/PoE+ output ports

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- Power output up to 30 watts per port*
- PoE power budget of 164 watts
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (wireless access points, VoIP phones, IP cameras)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- All RJ45 ports with Auto-MDIX and NWay auto-negotiation support
- Web-based configuration
- Supports SNMP management
- Supports VLAN (tag-based and port-based)
- Provides IEEE 802.1x port-based security
- Supports link aggregation (trunking)
- Supports bandwidth control per port
- Supports port mirroring
- Supports two types of QoS: port-based and DSCP
- Broadcast storm control with multicast packet rate settings
- Supports jumbo frames up to 9 kBytes
- Supports Rapid Spanning Tree/Spanning Tree protocol
- Store and forward switching architecture
- Full/half duplex operation
- IEEE 802.3x flow control for full duplex
- Supports 16k MAC address entries
- 400 kBytes buffer memory
- LEDs for power, link/activity and PoE
- Includes 19" rackmount brackets
- Three-Year Warranty

Specifications:

Standards
• IEEE 802.1d (Spanning Tree Protocol)
• IEEE 802.1p (Traffic Prioritization)
• IEEE 802.1q (VLAN Tagging)
• IEEE 802.1w (Rapid Spanning Tree Protocol)
• IEEE 802.3ad (Link Aggregation)
• IEEE 802.3 (10Base-T Ethernet)
• IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
• IEEE 802.3ad (Link Aggregation Control Protocol LACP)
• IEEE 802.3af (Power over Ethernet 802.3at Type 1)
• IEEE 802.3at (Power over Ethernet 802.3at Type 2)
• IEEE 802.3u (100Base-TX Fast Ethernet)
• IEEE 802.3x (flow control, for full duplex mode)

General
• Media support:
- 10Base-T Cat3, 4, 5 UTP/STP RJ45
- 100Base-TX Cat5 UTP/STP RJ45

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- 1000Base-T Cat5e UTP/STP RJ45
• Packet filter/forwarding rate:
- 1,488,000 pps (1000 Mbps)
- 148,800 pps (100 Mbps)
- 14,880 pps (10 Mbps)
• MAC address table: 16k
• Backplane speed: 52 Gbps
• Switch architecture: store and forward
• Configuration Options:
- Port link speed: 10 Mbps, 100 Mbps, 1000 Mbps or auto-negotiation
- PoE on/off per port
- Flow control on/off per port
- VLAN
- Rate limiting (ingress rate and egress rate)
- Port Mirroring
- Port Aggregation/LACP: 8 groups
- Broadcast Storm configuration with broadcast rate, multicast rate, and flooded unicast rate
- IGMP Snooping
- Quality of Service (QoS): port-based or DSCP
- Integrated VeriPHY cable diagnostics tool
- Integrated ICMP Ping client sends ping requests to other network nodes
- SNMPv1/v2c (Simple Network Management Protocol)
- LAN settings (IP address, Gateway, etc.)
• Certifications: FCC Class A, CE

LEDs
• PoE
• Power
• Link/activity

Power
• Input: 90 – 260 V AC, 50 – 60 Hz
• Power consumption: 180 watts (maximum)

Environmental
• Metal housing
• Dimensions: 440 (W) x 220 (L) x 44 (H) mm (17.3 x 8.7 x 1.7 in.)
• Weight: 3.1 kg (6.8 lbs.)
• Operating temperature: 0 – 45°C (32 – 113°F)
• Operating humidity: 10 – 90% RH, non-condensing
• Storage temperature: -20 – 90°C (-4 – 194°F)

Package Contents
• 24-Port PoE+ Web-Managed Gigabit Ethernet Switch with 2 SFP Ports
• Power cable
• User manual

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