



18-Port L2+ Fully Managed PoE++ Switch with 16 Gigabit Ethernet Ports and 2 Base-T/SFP Combo Ports

518 W PoE Power Budget, IEEE 802.3bt (4PPoE) Compliant (4 x 90 W Ports, 12 x 30 W Ports), Layer 2+/Layer 3 Lite, Two 1G SFP Combo Uplinks, Self-Healing Network, 19" Rackmount

SKU: 562065 | EAN-13: 0766623562065 | UPC: 766623562065

Managed IEEE 802.3bt 18-Port PoE Switch - Power Meets Intelligence

Take full control of your network with the 18-Port L2+ Fully Managed PoE++ Switch from Intellinet Network Solutions, engineered to deliver robust power, intelligent management, and high-speed connectivity in one rackmount-ready solution. This switch is ideal for demanding environments like enterprise offices, surveillance systems, and smart buildings - anywhere a self-healing, high-performance infrastructure is required.

High-Powered 4PPoE Performance with 518W PoE Budget

With 16 Gigabit Ethernet ports and 2 Base-T/SFP combo uplink ports, this switch supplies data and power to a wide range of connected devices. Four ports support IEEE 802.3bt PoE++ with up to 90 watts each, perfect for high-power devices like PTZ cameras and access points. The remaining 12 ports provide up to 30 watts each via standard PoE+. Altogether, the 518-watt power budget ensures your network remains powered even under heavy loads.

A Smart, Stable, and Reliable Self-Healing Network - Including Intellinet Powered Device Monitor (PDM)

Reliability is built in. The PoE watchdog - also known as PD Alive Check - actively monitors connected PoE devices. If a device stops responding, the switch automatically resets the port to restore connectivity, reducing downtime and eliminating the need for manual intervention. This self-healing mechanism is ideal for mission-critical setups where uptime is non-negotiable, saving you unnecessary technical support calls and costly field trips in the process.

Layer 2+ Management and Cloud Integration

Equipped with Layer 2+ and Lite Layer 3 functionality, the switch supports advanced management features including VLAN, link aggregation, QoS, port mirroring, and multicast filtering via IGMP Snooping. With support for SNMP, RMON, and remote access through web interface, SSH, or console, administrators get full visibility and control. Cloud compatibility with Domotz adds another layer of convenience for remote monitoring and diagnostics.

How our PoE scheduling saves you energy

As part of our Self-Healing Networks suite, our managed switches are not only capable of providing high power but also of controlling the power supply efficiently. The "PoE scheduling" function allows you to turn on or off the PoE power for each PoE port at specific time intervals. Turning off devices like IP phones and access points outside of office hours helps your enterprise reduce its energy costs and protect the environment.

Features:

- Provides up to 16 PoE network devices with power and data
- Two small form-factor pluggable (SFP) GBIC module combo slots for 1G uplink capability
- Self-Healing Network - the Powered Device Monitor feature (PDM), also known as PD Alive Check, restarts any connected PoE device that fails to respond or send out network traffic
- Domotz compatible for cloud management
- PoE power budget of 518 watts
- PoE++ output up to 90 watts on ports 13 through 16; PoE+ output up to 30 watts on ports 1 through 12
- Supports 802.1Q VLAN (tag-based and port-based)
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- Supports IEEE 802.3bt/at/af-compliant PoE devices (wireless access points, VoIP phones, IP cameras and more)
- Supports IEEE 802.3bt/at/af detection and short circuit, overload and high-voltage protection
- All RJ45 ports with Auto-MDIX and NWay auto-negotiation support
- 36 Gbps switch fabric / switching capacity
- SNMP Management and Remote Monitoring (RMON)
- IPv4/v6 dual protocol
- Supports link aggregation (trunking)
- IGMP Snooping for multicast filtering

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

- Supports bandwidth control per port
- Supports port mirroring
- Supports two types of QoS: CoS and DSCP
- Broadcast storm control with multicast packet rate settings
- Supports jumbo frames up to 9216 Bytes
- Store and forward switching architecture
- Full/half duplex operation
- Supports 802.3x flow control for full duplex mode and collision-based backpressure for half duplex mode
- Supports 8k MAC address entries with Auto-learning and Auto-aging
- Buffer memory of 4.1 Mbits
- Grounding point to protect equipment from external electrical surges
- PoE surge protection (4 kV) for all RJ45 ports
- ESD protection up to 8 kV for air and 4 kV for contact
- Configuration via Web browser, Telnet, SSH or RJ45 console port
- LEDs for power, link/activity, PoE and system
- Two high-performance cooling fans ensure perfect ventilation
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.1p (Traffic Prioritization)
- IEEE 802.1q (VLAN Tagging)
- IEEE 802.3ad (Link Aggregation)
- IEEE 802.3z Gigabit SX/LX
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast 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 802.3bt (PoE++/4PPoE/Ultra Power over Ethernet)
- IEEE 802.3x (flow control, for full-duplex mode)

General

- Ports
 - 16 x 10/100/1000 Mbps RJ45 PoE-enabled ports
 - Two Gigabit SFP combo slots
 - One console port
- Media support:
 - 10Base-T Cat5e/6/6a UTP/STP RJ45
 - 100Base-TX Cat5e/6/6a UTP/STP RJ45
 - 1000Base-T Cat5e/6/6a UTP/STP RJ45
- MAC address table: 8k
- Buffer memory: 4.1 Mbits
- Forwarding rate: 38.69 Mpps
- MTBF: 392,650 hours
- Backplane speed/switch fabric: 36 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
 - PoE maximum power per port
 - PoE mode per port
 - PoE priority per port: low, medium, high
 - PoE alarm notification via SNMP traps
 - PoE delay start configuration per port
 - PoE restart time configuration per port
 - PoE status monitoring
- PD monitor function, watch guard
- PoE Scheduling
- Flow control on/off per port
- VLAN
 - Rate Limiting (ingress rate and egress rate)
 - Port Mirroring, one-to-one or many-to-one
 - Port Aggregation/LACP: 8 groups
 - Broadcast Storm configuration with broadcast rate, multicast rate and flooded unicast rate
- IGMP Snooping
- Multicast group (256)
- Access management filtering: SNMP, HTTP, HTTPS, SSH, TELNET

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

- Quality of Service (QoS): CoS or DSCP
- Link Layer Discovery Protocol (LLDP)
- Integrated ICMP Ping client sends ping requests to other network nodes
- SNMPv1/v2c/v3 (Simple Network Management Protocol)
- RMON 1, 2, 3 and 9 groups (statistic, history, alarm and event)
- TACACS+ via command line
- Built-in RADIUS client to cooperate with the RADIUS servers
- Tracert utility
- Access Control List: MAC-based and IPv4/IPv6 IP-based ACL
- Built-in Trivial File Transfer Protocol (TFTP) client
- Dynamic ARP Inspection (DAI) discards ARP packets with invalid MAC-address to IP-address binding
- DoS attack prevention
- DHCP: Client/Option82/Snooping
- LAN settings (IP address, Gateway, etc.)
- SSHv2
- Certifications: FCC, CE, RoHS, UKCA, NDAA

LEDs

- PoE
- Power
- Link/Activity

Buttons

- Mode
- Reset

Pinout RJ45 output ports (PoE+ ports 1 - 12)

- Pin 1: DC (-)
- Pin 2: DC (-)
- Pin 3: DC (+)
- Pin 6: DC (+)

Pinout RJ45 output ports (PoE++ ports 13 - 16)

- Pin 1: DC (-)
- Pin 2: DC (-)
- Pin 3: DC (+)
- Pin 4: DC (+)
- Pin 5: DC (+)
- Pin 6: DC (+)
- Pin 7: DC (-)
- Pin 8: DC (-)

Power

- Input: 100.0 - 240.0 VAC, 50 - 60 Hz, 10.0 A, internal power supply
- PoE power budget: 518.0 watts (max.)
- Power consumption: 550.0 W (max.)

Physical

- Metal housing
- Dimensions (D x W x H): 330 x 440 x 44 mm (12.99 x 17.32 x 1.73 in.)
- Net weight: 5 kg (11.02 lbs.)
- Gross weight: 5.2 kg (11.46 lbs.)

Environmental

- Operating temperature: 0 - 45°C (32 - 113°F)
- Storage temperature: -40 - 70°C (-40 - 158°F)
- Operating humidity: 10 - 90% RH, non-condensing
- Storage humidity: 5 - 90% RH, non-condensing

Package Contents

- 18-Port L2+ Fully Managed PoE++ Switch with 16 Gigabit Ethernet Ports and 2 Gigabit Combo Base-T/SFP Ports
- Power cable
- Instructions

