Outdoor 10-Port L2+ Smart Managed PoE+ Switch with 8 Gigabit Ethernet Ports and 2 SFP Uplinks

85 W PoE Power Budget, IEEE 802.3at/af (PoE+/PoE) Compliant, Layer 2+/Layer 3 Lite, Two 1G SFP Open Slots, Self-Healing Network, Rainproof IP65, NEMA 4, for Wall- and Pole-Mounting

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Outdoor PoE Switch with Layer 2+ Management and 10 Ports

The Outdoor 10-Port L2+ Fully Managed PoE+ Switch from Intellinet Network Solutions is built for reliability and performance in challenging environments. Designed with eight Gigabit Ethernet ports and two 1G SFP uplinks, this rainproof, dustproof, and impact-resistant switch is perfect for powering and connecting IP cameras, wireless access points, VoIP phones, and other PoE devices. Its IP65 and NEMA 4-rated enclosure ensures protection against harsh weather, dust, and moisture, making it an ideal solution for outdoor installations on walls or poles.

High-Performance Power over Ethernet

With full compliance to IEEE 802.3at/af (PoE+/PoE) standards and a PoE power budget of 85 watts, this switch delivers up to 30 watts per port to eight network devices simultaneously. The two SFP slots provide flexible fiber uplink options for extending connectivity over long distances, while the 20 Gbps switching capacity ensures smooth, high-speed data transfer.

Intelligent Network Management and Security

This Layer 2+ switch combines robust performance with intelligent management features. It supports VLANs, link aggregation, IGMP snooping, QoS (CoS and DSCP), and bandwidth control for optimizing traffic and ensuring reliable service delivery. Network administrators benefit from multiple management options, including web GUI, SNMP/RMON, Telnet, and SSH access, plus secure CLI management with SSH for enhanced security. Built-in protections, such as short circuit, overload, and surge protection up to 4 kV, safeguard both the switch and connected devices.

Self-Healing Network and Cloud Compatibility

The integrated Powered Device Monitor (PDM), also known as PD Alive Check, automatically restarts unresponsive PoE devices, reducing downtime and maintenance costs. This self-healing feature makes it especially valuable for critical outdoor applications where uptime is essential. The switch is also Domotz compatible, enabling remote cloud-based monitoring and management, so you can keep your network running smoothly from anywhere.

Built for Harsh Outdoor Conditions

Engineered to withstand extreme temperatures from -20 to 60°C (-4 to 140°F) and protected by a fanless, industrial-grade design, this switch performs reliably year-round. The included mounting bracket supports both wall and pole installations, and the grounding point helps protect against electrical surges.

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 8 PoE network devices with power and data
- Two 1G small form-factor pluggable (SFP) module slots
- 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 85 watts
- IP65-rated, dustproof and waterproof, NEMA 4
- Suitable for extreme operating temperatures of -20 to 60ºC (-4 to 140ºF)
- Power output up to 30 watts per port
- Supports VLAN (tag-based and port-based)
- 10/100/1000 auto-sensing ports that automatically detect optimal network speeds
- 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
- Auto-MDIX and NWay auto-negotiation support on all RJ45 ports
- 20 Gbps switch fabric / switching capacity
- SNMP Management and Remote Monitoring (RMON)
- IPv4/v6 dual protocol
- Supports link aggregation (trunking)
- IGMP Snooping for multicast filtering
- 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 16 kBytes
- Store and forward switching architecture
- 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
- Secure Command Line Interface (CLI) management with SSH
- Configuration via Web browser, SNMP/Remote Monitoring (RMON), Telnet or SSH
- LEDs for power, link/activity, and PoE
- Grounding point to protect equipment from external electrical surges
- PoE surge protection up to 4 kV for all RJ45 ports
- Bracket with installation holes on the back, suitable for wall and pole mounting
- Fanless design
- Plug-and-play installation; no configuration required
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards
- IEEE 802.1p (Traffic Prioritization)
- IEEE 802.1q (VLAN Tagging)
- IEEE 802.3ad (Link Aggregation)
- IEEE 802.3 (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
- Ports
  - 8 x 10/100/1000 Mbps RJ45 PoE-enabled ports
  - Two 1G SFP slots
- Media support
  - 10Base-T Cat5e/6/6a/8.x UTP/STP RJ45
  - 100Base-TX Cat5e/6/6a/8.x UTP/STP RJ45
  - 1000Base-T Cat5e/6/6a/8.x UTP/STP RJ45
- MAC address table: 8k
- Buffer memory: 4.1 Mbits
- Forwarding rate: 14.9 Mpps
- MTBF: >50k hours
- Backplane speed/switch fabric: 20 Gbps

- Switch architecture: store and forward
- Smart configuration options:
  - 802.1x authentication
  - ACL Access Control List
  - Broadcast Storm configuration with broadcast rate, multicast rate, and flooded unicast rate
  - Cable diagnostic
  - DHCP: Client/Option82/Snooping with enhanced security - supports dynamic ARP binding to prevent ARP spoofing, dynamic IP/MAC/port binding, and stationary port configuration to block unauthorized DHCP servers.
  - IGMP Snooping via command line
  - Port link speed: 10 Mbps, 100 Mbps, 1000 Mbps or auto-negotiation
  - Flow control on/off per port
  - LAN settings (IP address, DHCP, Gateway, etc.)
  - MAC address management, learning & aging, MAC filter
  - Ping utility
  - Port Mirroring, one to one or many to one
  - Port Aggregation/LACP: 8 groups
  - Quality of Service (QoS)
  - Link Layer Discovery Protocol (LLDP) - Station and Media Access Control Connectivity Discovery
  - Radius server via command line
  - Rate limiting (ingress rate and egress rate)
  - RMON groups (statistic, history, alarm and event)
  - SNMPv1/v2c/v3 (Simple Network Management Protocol)
  - Spanning tree (STP, RSTP, MSTP)
  - TACAS+ via command line
  - Tracert utility
  - VLAN
- PD monitor function, watch guard
- PoE Scheduling
- Switch architecture: store and forward
- Flow control on/off per port
- Access management filtering: SNMP, HTTP, HTTPS, SSH, TELNET 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)
- LAN settings (IP address, Gateway, etc.)
- SSH
- Certifications: FCC, CE, RoHS, REACH, UKCA, NDAA

LEDs
- PoE
- Power
- Link/Activity
- System

Pinout RJ45 output ports
- Pin 1: DC (-)
- Pin 2: DC (-)
- Pin 3: DC (+)
- Pin 6: DC (+)

Power
- Input: 100.0 - 240.0 VAC to terminal block, 50 - 60 Hz, internal power supply
- Power output per port: 30.0 W
- PoE power budget: 85.0 watts (max.)
- Power consumption: 95.0 W (max.)

Physical
- IP65-rated plastic housing (weatherproof/rainproof)
- Dimensions (L x W x H): 295 x 206 x 50 mm (11.61 x 8.11 x 1.97 in.)
- Net weight: 645 g (1.42 lbs.)
- Gross weight: 1 kg (2.2 lbs.)

Environmental
- Operating temperature: -20 to 60°C (-4 to 140°F)
- Storage temperature: -20 to 70°C (-4 to 158°F)
- Operating humidity: up to 90% RH, non-condensing
- Storage humidity: up to 95% RH, non-condensing

Package Contents
- Outdoor 10-Port L2+ Smart Managed PoE+ Switch with 8 Gigabit Ethernet Ports and 2 SFP Uplinks

- Power cable
- Instructions