

8-Port Gigabit Ethernet PoE+ Web-Managed AV Switch with 2 SFP Uplinks

Eight Rear-Facing PoE+ ports, IEEE 802.3at Power over Ethernet (PoE+), Layer2+, Two 1 GbE SFP Open Slots, Endspan, 19" Rackmount

Part No.: 561433

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The Intellinet Solutions 8-Port Gigabit Ethernet PoE+ Web-Managed AV Switch with 2 SFP Uplinks is an enterprise-class switch specifically designed for use in AV rack applications. With front-facing indicators and rear-facing ports, the switch is designed for easy installation and high performance in an environment where traffic on the network and the number of users could increase continuously.

* Total PoE budget for this switch is 255 watts.Maximum per-port power usage cannot exceed 30 watts.

Features:

- Rear-facing IEEE 802.3at/af-compliant RJ45 PoE/PoE+ Gigabit Ethernet ports
- Provides power and data connection for up to eight PoE network devices
- Domotz compatible for cloud management (may require firmware upgrade)
- 10/100/1000 auto-sensing ports for automatic detection of optimal network speeds
- Two small form-factor pluggable 1 GbE SFP module slots
- Console port for configuring
- Power output up to 30 watts per port*
- PoE power budget of 255 watts
- Supports IEEE 802.3at and IEEE 802.3af-compliant PoE devices (e.g., wireless access points, VoIP phones, IP cameras, etc.)
- Supports IEEE 802.3at/af detection and short circuit, overload and high-voltage protection
- Management by Web/SNMP/Telnet/Console
- All RJ45 ports with Auto-MDIX and NWay auto-negotiation support
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- 20 Gbps switch fabric

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- SNMP Management and Remote Monitoring (RMON)
- Remote reboot/restart
- The Powered Device Monitor feature (PDM) restarts any connected PoE device that fails to respond or send out network traffic.
- IPv4/v6 dual protocol
- 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 Spanning Tree Protocol (STP) IEEE 802.1d
- Store and forward switching architecture
- IEEE802.3x Flow Control
- Supports jumbo frames up to 10 kBytes
- Supports 8k MAC address entries
- LEDs for power, link/activity and PoE
- Includes 19" rackmount brackets
- Includes console cable
- Three-year warranty

Specifications:

Standards
• IEEE 802.1d (Spanning Tree Protocol [STP])
• IEEE 802.1p (Traffic Prioritization)
• IEEE 802.1q (VLAN Tagging)
• IEEE 802.1s (Multiple Spanning Tree Protocol [MSTP])
• IEEE 802.1w (Rapid Spanning Tree Protocol [RSTP])
• 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 802.3az (Energy Efficient Ethernet [EEE])
• 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 UTP/STP RJ45
  - 100Base-TX UTP/STP RJ45
  - 1000Base-T UTP/STP RJ45
• MAC address table: 8k
• Backplane speed / switch fabric: 20 Gbps

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• Buffer Memory: 4.1 MB
• Forwarding Rate: 14.88 Mpps
• 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, 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
  - Access management filtering: SNMP, HTTP, HTTPS, SSH, Telnet
  - Quality of Service (QoS): port-based or DSCP
  - Link Layer Discovery Protocol (LLDP) - Station and Media Access Control Connectivity Discovery
  - LLDP-MED Extension (TIA specific TLVs)
  - Integrated ICMP Ping client sends ping requests to other network nodes
  - SNMPv1/v2c/v3 (Simple Network Management Protocol)
  - RMON
  - DHCP: Server/Client
  - LAN settings (IP address, Gateway, etc.)
  - EEE Energy Efficient Ethernet
  - SSHv2
• Certifications: FCC Class B, CE

LEDs
• PoE
• Power
• Link/activity

Power
• Input: 100 – 240 VAC, 50 – 60 Hz
• Power consumption: 270 watts (maximum)

Environmental
• Metal housing
• Dimensions: 200 (L) x 440 (W) x 44 (H) [mm] / 7.87 (L) x 17.32 (W) x 1.73 (H) [in.]
• Weight: 3.2 kg (7.05 lb.)
• Operating temperature: 0 – 40°C (32 – 104°F)
• Operating humidity: 20 – 85% RH, non-condensing
• Storage temperature: -10 – 70°C (14 – 158°F)

Package Contents
• 8-Port Gigabit Ethernet PoE+ Web-Managed AV Switch with 2 SFP Uplinks

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- Power cable
- User manual
- 19" rackmount brackets
- Console cable
- Four rubber feet








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