



PSE-8 PoE w/VLAN Switch



Overview

IntraLAN PSE-8 Smart PoE Power Source Switch is equipped with (8) 10/100BASE-TX Fast Ethernet ports, all of which support 802.3af Power Over Ethernet (PoE), and a 10/100BASE-T uplink port.

The PSE-8 is a valuable solution for small and medium size businesses deploying wireless networks, VoIP phone systems or requiring enhanced data security and network traffic management.

This all-in-one solution provides smart management features and Power Over Ethernet to supply power injection into 802.3af compliant devices such as IP phones, wireless access points, and IP cameras. The PSE-8 is compatible with the IntraLAN PoE Adaptors to support all non-standard PoE devices and no-PoE hardware. This allows integrators to deliver power to remotely manage any devices in a location where a power outlet may not be available or simply to reduce installation costs.

8-Port PoE 10/100Mbps plus Uplink Web Smart Ethernet Switch

- 8 x 10/100Mbps Auto-negotiation Ethernet Port
- 10/100 Mbps Auto-negotiation Uplink Ethernet Port
- 8 port 802.3af Power Over Ethernet (PoE)
- Full 15.4W PoE power on all PoE ports
- Store-and-Forward switching provides rapid rate adaptation and ensures data integrity
- Extensive Web Management Interface provides easy access to all management functions:
 - Port based – Speed, Disable, Flow control, QoS
 - Port and Tag based VLAN
 - Tag management functions to include add/remove/modify Tags
 - PoE enable, manage and port status

IEEE 802.3af Compliant Power Source Switch

The PSE-8 has (8) 10/100BASE-TX ports that support 802.3af PoE standard. The PSE-8 is uniquely designed to concurrently inject the full 15.4 Watts of power on all 8 ports. Each port automatically detects any 802.3af compliant device and supplies the appropriate power. The PSE-8 also supports active circuit protection, which automatically disables a port if there is a short, while the other ports remain active.

The PSE-8 is compatible with the IntraLAN PoE Adaptors™ enabling the remote power and management of non-standard PoE and non-PoE hardware.

Remarkably Smart and Excellent Performance

The PSE-8 provides QoS features that are suitable for today multimedia devices. Through a Web-based interface, an administrator can set up 802.1Q VLANs to isolate traffic, 802.1p QoS to prioritize mission-critical data such as voice or video packets, and port-based trunk groups to create wide traffic pipelines.

It also provides network monitoring tools such as port mirroring. The default configuration of this switch makes installation plug & play and negotiation hassle-free while the advanced features of the PSE-8 empower the successful management of today's networks.

The PSE-8 also features diagnostic LEDs, which display link, speed, power, and activity, allowing you to quickly identify hardware issues.

Technology

Standard:
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3x Flow Control
IEEE 802.3af Power Over Ethernet
IEEE 802.1p Quality of Service
IEEE 802.1Q VLAN Tagging
Processing: Store and Forward architecture

Interface

Number of ports:

8 x 10/100Mbps, Auto-negotiation, Auto-MDI/MDIX, PoE ports (port 1 ~ port 8)
1 x 10/100Mbps, dual purpose Auto-negotiation, Auto-MDI/MDIX linked to port 1

LED Indicators:

Per Unit : Power
Per Port : Link/Activity, Speed and PoE status (port 1 - 8)

Performance

Transfer Rate:

Ethernet: 10Mbps (Half-duplex)
20Mbps (Full-duplex)
Fast Ethernet: 100Mbps (Half-duplex)
200Mbps (Full-duplex)

MAC Address: 1K MAC address table
Data RAM Buffer: ~3Mbits per device

Power Requirements

Power Supply:

100 - 240VAC 50/60Hz, External universal switching power supply

Power Consumption:

120 W Max. with 8 x 15.4W powered devices connected
PoE Port: Up to 15.4W
PoE Budget: Class Ø up to 15.4W per PoE port

Mechanical

Dimensions: 7.8" (W) x 1.1" (H) x 4.72" (D)
198mm (W) x 28mm (H) x 120mm (D)

Environmental

Operating Temperature: 0 to 40°C (32 to 104°F)
Operating Humidity: 10% to 90%, Non-Condensing
Storage Temperature: -20 to 70°C (-4 to 158°F)

Regulatory Approvals

FCC, CE, VCCI
Safety – LVD EN60950

Warranty

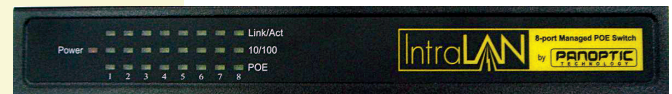
1 year

Specifications are subject to change without notice.

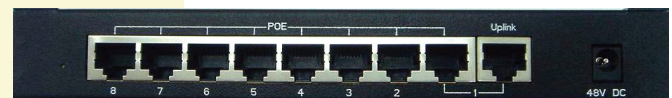


PSE-8 Specification

FRONT PANEL



BACK PANEL



Advanced Network Solutions
for the Hospitality Industry.

About Panoptic Corporation

Panoptic Technology's focus is to develop and enhance technologies to meet the ever increasing demands of business both today and in the future. Panoptic Technology optimizes technology migration by developing solutions that maximize performance while minimizing startup or investment costs.

Panoptic Technology

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PSE-8 PoE w/VLAN Switch Specifications

8 Port Managed POE Switch: PoE/Fanless

Specifications	
Ports	8 RJ-45 connectors for 10BASE-T and 100BASE-TX
	Auto MDI/MDI-X
	Auto-Negotiate/Manual Setting
Buttons	Reset – Factory Default
Cabling type	Unshielded Twisted Pair (UTP) Category 5 or Better for 10BASE-T/100BASE-TX
LEDs	10/100 Link/Act, Speed, PoE, Power
Power over Ethernet	
802.3af compliant	Supplies up to IEEE standard maximum of 15.4W on eight 10/100 ports
Performance	
Switching capacity	3.6 Gb Non-Blocking
Forwarding rate	4.17 mpps Wire-Speed Performance
Layer 2	
MAC table size	1000 Addresses
Standards	
802.3 10BASE-T Ethernet 802.3u 100BASE-TX Fast Ethernet 802.3x Flow Control 802.3af PoE 802.1D Spanning Tree Protocol (STP) 802.1Q/p VLAN 802.1X Port Access Authentication	
Environmental	
Dimensions W x D x H	7.80 x 4.72 x 1.1 in. (198 x 120 x 28 mm)
Weight	1.41 lb (0.63 kg)
Power	External AC Power Adapter, Maximum 120Watts
Certification	FCC Part 15 Class A, CE Class A, LVD EN60950
Operating temperature	32° to 104°F (0° to 40°C)
Storage temperature	-4° to 158°F (-20° to 70°C)
Operating humidity	10% to 90%, Non-Condensing
Storage humidity	5% to 95%, Non-Condensing

Number of VLANs	16 Active VLANs (4096 range)
VLAN	Port-based and 802.1Q tag-based VLANs
Management	
Web user interface	Built-In Web User Interface For Easy Browser-Based Configuration (HTTP/HTTPS)
SNMP	SNMP Version 1, 2 With Support For Traps
Firmware upgrade	Web Browser Upgrade (HTTP)
Security	
IEEE 802.1x	802.1x - RADIUS Authentication, MD5 Encryption*
Quality of Service	
Priority levels	Poll Based Priority
	Frame Based Priority
Scheduling	Priority Queuing And Weighted Round-Robin (WRR)*
Class of service	Port Based
	802.1p VLAN Priority Based
	Differentiated Services
Rate limiting	Ingress Policer (RX)
	Egress Rate Control (TX)
Other Features*	
Storm control	Broadcast, Multicast, and Unknown Unicast
Spanning Tree	IEEE 802.1D Spanning Tree
IGMP (v1/v2) snooping	Provides for Fast Client Joins and Leaves of Multicast Streams and Limits Bandwidth-Intensive Video Traffic to Only the Requestors
Package Contents	
PSE-8, 8-port Managed POE Switch AC Power Adapter with Power Cord CD-ROM with User Guide (PDF) Registration Card	
Minimum Requirements	
Web-Based Browser for Configuration Category 5 Ethernet Network Cable (as required)	
Product Warranty	
1-Year Limited Hardware Warranty with Return to Factory Replacement and 90-Day Limited Software Warranty.	

* Optional features