



# 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

PO Box 510511

401 Ocean Ave, Suite 203A

Melbourne Beach, FL 32951

866-833-6785

info@panopticttechnology.com

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[www.panopticttechnology.com](http://www.panopticttechnology.com)