

OPT-PSE2206 Gigabit Ethernet Switch

4*10/100/1000Base-Tx(PoE) to 2*GE SFP ports
RoHS Compliant



>>Description

The switch provide 4 10/100/1000Base-TX PoE ports compliant with IEEE802.3af and IEEE802.3at while transmitting data over the cable. Each port support 30 watts output to PoE terminals directly to provide AC power without additional wiring. SFP fiber would be changed according to user application, such as 1000Base-T, 1000Base-SX, 1000Base-LX etc. The switch equipment is with optional VLAN port isolation fuction, stable performance and excellent quality by the United States the latest Marvell IC.

>>Main Features

- Complies with IEEE802.3, IEEE802.3u/ab/z standard
- IEEE 802.3at, IEEE 802.3af PoE standard compliance
- Support PD detection and PD classification
- Provides 4-port 10/100/1000M RJ45 and 2-port SFP fiber ports
- Supports auto duplex(HDX/FDX) auto MDI/MDIX function
- SFP port supports 1000BASE-SX/LX modules
- Supports 802.3x flow control
- Optional VLAN function
- Supports jumbo frame size 10K bytes
- Status LED for easy monitoring of device status

>> Specifications

Interface

- 4 x Ethernet+PoE port (RJ45) 10/100/1000Base-Tx
- 2 x Optical port (SFP) 1000Base-Fx

Optical Port

- Available for 1310nm and 1550nm Single mode, 850nm Multi mode
- Transfer Distance: up to 120km
- Connectors: SFP
- Fiber core: 9/125µm on single-mode fiber; 50/125µm and 62.5/125µm on multi-mode fiber

Ethernet Port

- Cable: Cat 5/5e/6 UTP cable
- Available speed: force 10Mbps, force 100Mbps, force 1000Mbps and auto-detective 10/100/1000Mbps. Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

Standard

- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)
- IEEE802.3ab (1000Base-T)
- IEEE802.3z (1000Base-SX/LX/CX/T)
- IEEE802.3x (Flow control)
- IEEE802.3af (Power over Ethernet Standard)
- IEEE802.3at (Power over Ethernet enhancements Standard)

PoE Specification

- Power Output: PoE 48V DC
- PoE Power Supply type: End-Span
- Power Pin Assignment: 1/2(+), 3/6(-)
- PoE Power Budget: Each port provides max 30W feed power

LED Indicators

- Power Status, FX Link/Act, TX Link/Act

Switch Properties

- MAC Table: 16K
- Packet Buffer: 2Mbit
- Switching Delay: <5µs

Power Requirement

- 48V DC, External AC to DC adapter

Physical Characteristics

- Housing: Metal enclosure
- Dimensions: 214 x 105 x 32mm
- Weight: 0.6kg

Environmental Limits

- Operating Temperature: -10°C to 70°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% RH (non-condensing)
- Storage Humidity: 5% to 90% RH (non-condensing)

Agency Approvals

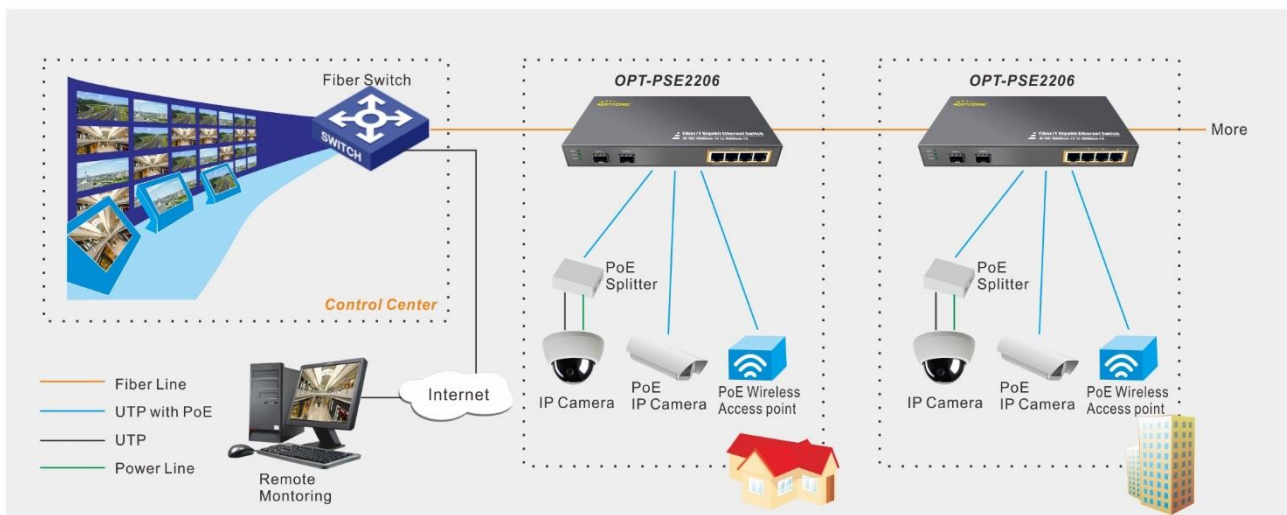
- FCC Part 15 of Class A & CE approved

Warranty

- 3 years

>> Applications

The following illustrates typical applications for the OPT-PSE2206. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.





>>Ordering Information

OPT-PSE2206 4*10/100/1000Base-Tx(PoE) to 2*GE SFP Fiber ports, VLAN Optional

Optional SFP

<i>Model</i>	<i>Rate</i>	<i>Wavelength</i>	<i>Distance</i>	<i>Connector</i>
SFP-SX-MM-0205	1.25Gbps	850nm	0.5km	2xLC
SFP-LX-SM-0220	1.25Gbps	1310nm	20km	2xLC
SFP-LX-SM-0240	1.25Gbps	1310nm	40km	2xLC
SFP-ZX-SM-0280	1.25Gbps	1550nm	80km	2xLC

>>Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTONE before they become applicable to any particular order or contract. In accordance with the OPTONE policy of continuous improvement specifications may change without notice.

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