OPT-2810
Gigabit Ethernet Switch

2*10/100/1000Base-Tx to 8*GE SFP ports

RoHS Compliant

CE   FC

>>Description

The Switch provides a high-performance switch architecture that is capable of providing the non-blocking switch fabric and wire-speed throughput as high as 32Gbps, which greatly simplifies the tasks of upgrading the LAN for catering to increasing bandwidth demands. Besides, the Flow Control function of the switch enables routers and servers to directly connect to the Switch for fast and reliable data transfer.

The switch provides 2-port 10/100/1000M RJ45 and 8-port 1000M SFP fiber ports, user may need to use different SFP modules, such as 1000Base-T, 1000Base-SX, 1000Base-LX and so on. Switch by the United States the latest Marvell IC, stable performance and excellent quality, with a higher cost performance. For small optical Ethernet and optical network with special needs.

>>Main Features

- Complies with IEEE802.3, IEEE802.3u/ab/z standard

- Provides 2-port 10/100/1000M RJ45 and 8-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

- Status LED for easy monitoring of device status

- High stability and reliability

- FCC Class A & CE approved

>>Specifications

Interface
- 2 x Ethernet port (RJ45) 10/100/1000Base-Tx
- 8 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 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)

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

Switch Properties
- MAC Table: 8K
- Backplane bandwidth: 32G
- Switching Delay: <5µs

Power Requirement
- Input: 12V DC

Physical Characteristics
- Housing: Metal enclosure
- Dimensions: 217 x 115 x 28mm
- 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

>>Ordering Information

OPT-2810	2*10/100/1000Base-Tx to 8*GE SFP Fiber ports

Optional SFP

Model	Rate	Wavelength	Distance	Connector
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

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