

## 48-Port 10/100Mbps Fast Ethernet Switch



The Planet's FNSW-4800 is a 48-Port 10/100Mbps Fast Ethernet switch, perfectly designed for low cost, high performance, and easy installation, the PLANET 48-Port 10/100Base-TX Fast Ethernet Switch in your best choice of switched networks.

With increasing bandwidth requirements for local area networks, PLANET's FNSW-4800 Fast Ethernet Switch is the ideal option to alleviate bottlenecks in Client / server and peer-to-peer environments in a cost-effective way.

The switch provides a combination of 48 Fast Ethernet Switching ports that provide users with high-speed network connections.

With its Auto-Negotiation capability, all the RJ-45/STP ports of FNSW-4800 can be configured to speeds of 10/20Mbps or 100/200Mbps automatically.

In addition, the product is equipped with the MDI/MDI-X auto detection for easily plug and play connection, regardless of cabling types-straight through or crossover.

The high-performance throughput at filtering / forwarding rate is up to 14880 packets per second in 10Mbps, and 148800 packets per second in 100Mbps. Along with its dynamic shared memory buffer, the FNSW-4800 can boost bandwidth, eliminate unnecessary traffic and relieve congestion on your critical server path.

### KEY FEATURE

- Comply with IEEE 802.3 and IEEE 802.3u standards for 10/100Base-TX
- 48-Port 10/100Mbps Fast Ethernet Switch
- Each Switching ports support auto-negotiation-10/20, 100/200Mbps supported
- Auto-MDI/MDI-X detection on each RJ-45 port
- Prevents packet loss with back pressure (half-duplex) and 802.3x PAUSE frame flow control (full-duplex)
- High performance Store and Forward architecture, broadcast storm control, runt/CRC filtering eliminates erroneous packets to optimize network bandwidth
- 8K MAC address table, automatic source address learning and ageing
- 2.5Mbit embedded memory for packet buffers
- Support up to 1522 bytes packet and 802.1Q VLAN transparent
- 19-inch rack mount size
- Internal full-range power supply suitable for worldwide use
- EMI standards comply with FCC, CE class A

**SPECIFICATION**

Product	<b>48-Port 10/100Mbps Fast Ethernet Switch</b>
Model	FNSW-4800
<b>Hardware Specification</b>	
Ports	48 10/100Base-TX RJ-45 Auto-MDI/MDI-X ports
Switch Processing Scheme	Store-and-forward
Throughput (packet per second)	6.6Mpps
Switch fabric	8.8Gbps
Address Table	8K entries
Share data Buffer	2.5Mbit
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Dimensions	440 x 260 x 44 mm, 1U height
Weight	3.11kg
Power Requirement	100~240V AC, 50-60 Hz, 0.6A
Power Consumption / Dissipation	18 Watts maximum / 61 BTU / hr maximum
Temperature	Operating: 0~50 Degree C, Storage -40~70 Degree C
Humidity Operating:	10% to 90%, Storage: 5% to 95% (Non-condensing)
<b>Standards Conformance</b>	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet), IEEE 802.3x (full-duplex flow control)

**APPLICATIONS**
**Workgroup Switch**

With up to 8.8Gbps switching fabric, the FNSW-4800 can easily have the high bandwidth Fast Ethernet network backbone or your workgroup's backbone.

**Department Switch**

Uplink directly using any straight or crossover cable to the backbone switch provides the connective to back plane yet segment the network traffic of the department to your backbone.

**ORDERING INFORMATION**

FNSW-4800	48-Port 10/100Mbps Fast Ethernet Switch
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