

24-Port 10/100Mbps Fast Ethernet Switch



High-Performance Ethernet Networking

PLANET's new FNSW-2401 is a 24-Port 10/100Base-TX Fast Ethernet Switch that combines both the benefits of energy-saving and high-performance. It is specially designed for SOHO, SMB and Workgroup users. The FNSW-2401 uses a new engine that uses up to 12% less energy while maintaining its high-performance.

Energy-Saving

The FNSW-2401 incorporates advanced Green Networking technologies. The Intelligent Scales Power is an intelligent algorithm that actively determines the appropriate power level based on cable length. The unit provides maximum power efficiency when connected to a shorter cable length. The connected device can substantially reduce overall power consumption, making an eco-friendly contribution.

Power Saving **12%**



Save **19,272 Watts** yearly

High-Performance

The high-performance throughput (filtering/forwarding rate: 14,880 packets per second in 10Mbps, 148,800pps in 100Mbps) and dynamic shared memory buffer helps the FNSW-2401 boost bandwidth, eliminate unnecessary traffic, and relieve congestion on your critical server path. The FNSW-2401 is the ideal choice to alleviate bottlenecks in client / server and peer-to-peer environments in a cost effective way.

Plug and Play

The FNSW-2401 provides users with high-speed network connections. With its Auto-Negotiation capability, all the RJ-45/STP ports of the FNSW-2401 can automatically be configured to speeds of 10/20Mbps or 100/200Mbps. In addition, the MDI/ MDIX auto-detection ensures an easy, plug and play connection, regardless if cabling types are straight through or crossover.

KEY FEATURES

PHYSICAL PORT

- 24 -Port 10/100Mbps Fast Ethernet ports
- Supports Auto MDI/MDI-X function

LAYER 2 FEATURES

- Comply with IEEE 802.3, 10Base-T, IEEE 802.3u 100Base-TX Ethernet standard
- Supports powerful Green Ethernet to power saving
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Handles up to 1522 bytes packet size
- Comply IEEE 802.3x flow control for full duplex operation and Backpressure for half duplex operation

- Integrated address look-up engine, support 8K absolute MAC addresses
- Automatic address learning and address aging
- Support CSMA/CD protocol

HARDWARE FEATURES

- 100~240V AC, 50~60Hz, 0.6A universal Power input
- FCC, CE class A compliant

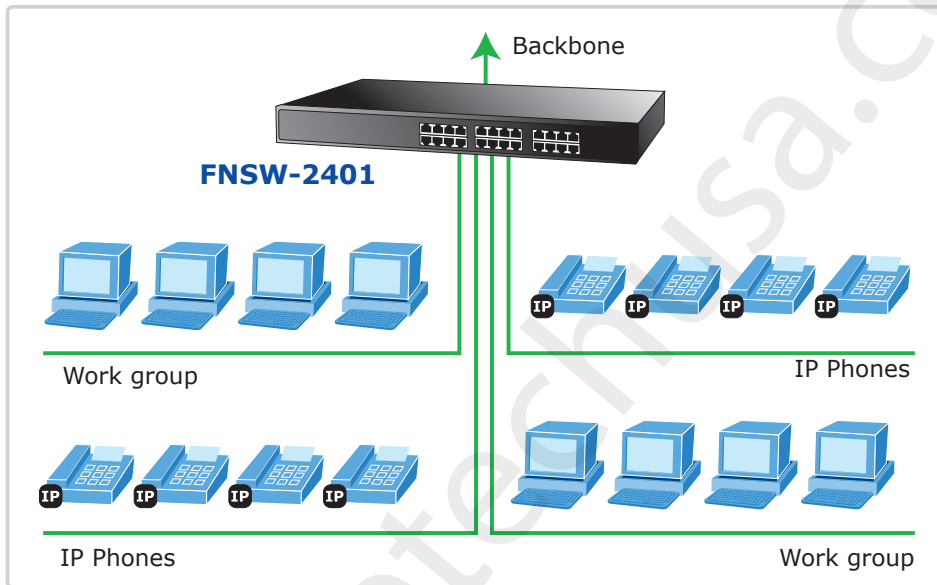
APPLICATIONS

■ **Backbone Switch**

With up to 4.8Gbps of switching fabric, the FNSW-2401 can provide high bandwidth connectivity to Fast Ethernet network backbone or function as the backbone of your workgroup.

■ **Department Switch**

Network administrators can uplink directly via any straight / crossover cable to the backbone switch. The FNSW-2401 provides backplane connectivity that can segment the network traffic of the department that connects to the backbone of your network.



SPECIFICATION

Product	24-Port 10/100Mbps Fast Ethernet Switch
Model	FNSW-2401
Hardware Specification	
10/100Base-TX MDI/MDIX Ports	24
Throughput (packet per second)	3.57Mpps
Switch Fabric	4.8Gbps
Weight	1.7kg
Power Consumption / Dissipation	4 Watts / 13 BTU
Power Requirement	100~240V AC, 50/60Hz, 0.6A
Dimensions (W x D x H)	440 x 180 x 44mm, 1U height
Switch Processing Scheme	Store-and-Forward
Address Table	8K entries
Packet Buffer	2Mbit SRAM
Power Green Ethernet	10m ~ 50m: Saving up to 12%
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Temperature	Operating: 0~50 Degree C Storage: -10~70 Degree C
Humidity Operating:	Operating: 5% to 95%, Storage: 5% to 95% (Non-condensing)
Standards Conformance	
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)

ORDERING INFORMATION

FNSW-2401	24-Port 10/100Mbps Fast Ethernet Switch
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