24-Port 10/100Mbps Fast Ethernet Switch

Power-Saving, High Performance Ethernet Networking

In line with the energy-saving trend worldwide, PLANET delivers the new generation **Green Networking Switch- FNSW-2401**. The FNSW-2401 is a 24-Port 10/100Base-TX Fast Ethernet Switch upgraded from earlier version and brings both benefits of energy saving and high performance. It is specially designed for SOHO, SMB and Workgroup users. The FNSW-2401 uses new engine that provides power saving up to 12% less energy but maintains high performance efficiently.

Energy Saving

The FNSW-2401 incorporates advanced Green Networking technologies:

• **Intelligent scales power based on cable length**

The **intelligent scales power** is an intelligent algorithm that actively determines the appropriate power level based on cable length. When connecting to the FNSW-2401 with Ethernet cable longer than 10m, a device can obtain maximum power saving because the FNSW-2401 would automatically detect the Ethernet cable length and reduce power usage. The connected device can substantially reduce overall power consumption, which makes a significant contribution to energy saving.

Power Saving 12%

FNSW-2401

Other 24-Port
10/100Mbps
Switch   *Full Port link/Cable length >10m

**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 help 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-2401provides users with high speed network connections. With its Auto-Negotiation capability, all the RJ-45/STP ports of the FNSW-2401 can be configured to speeds of 10/20Mbps or 100/200Mbps automatically. What's more is the MDI/ MDIX auto-detection for easy, plug and play connection, regardless of the cabling type, 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

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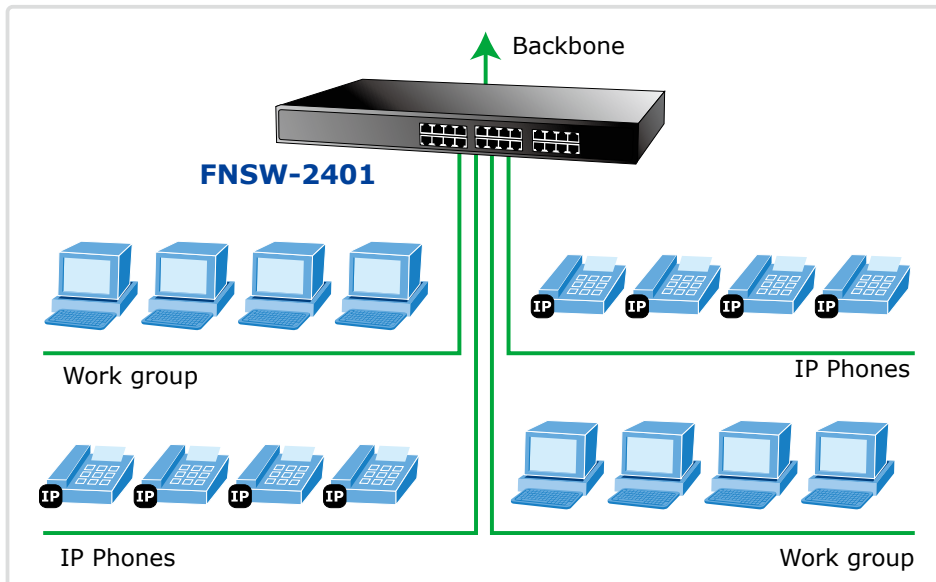
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APPLICATIONS

■ *Backbone Switch*

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

■ *Department Switch*

Uplink directly by any straight / crossover cable to the backbone switch, the FNSW-2401 provides the connectivity to back plane yet segment the network traffic of the department to your backbone.

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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