48-Port + 4 Gigabit Ethernet Web Smart Switch

The PLANET FGSW-4840S is a 10/100/1000Mbps Ethernet Switch that provides 48 10/100Base-TX ports respectively with 2 10/100/1000Base-T ports and 2-SFP Mimi-GBIC interfaces. With a 17.6Gbps internal switching fabric, the FGSW-4840S can handle extremely large amounts of data in a secure topology linking to a backbone or high capacity servers. The FGSW-4840S has a 4K MAC Address table and provides a 1536KBytes frame buffer. The FGSW-4840S offers wire-speed packet transfer performance without risks of packet loss. The high data throughput of these devices makes them ideal for most Gigabit environments, especially while network upgrades to a Gigabit environment.

The 48 Fast Ethernet ports and 2 Gigabit Ethernet ports support 10/100Mbps and 10/100/1000Mbps Auto-Negotiation for optimal speed detection through RJ-45 category 6, 5 or 5e cables. All the ports also support Auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables. Moreover, the FGSW-4840S provides 2 SFP Mini-GBIC interfaces for fiber extension to uplink to a server or a network backbone.

The additional Web management utility allows administrators to view trap, system log, IP settings, password setting, firmware upgrade and access Web interface of FGSW-4840S.

After the IP address is configured, the FGSW-4840S will shortly provide Smart management functions through the Web management interface. Functions such as per port speed, duplex, flow-control settings, QoS settings, Trunking and port-based VLAN can be found in the friendly user interface of your web browser. These features provide a cost-effective method to manage the devices from Internet whenever you are at work or at home.

KEY FEATURE

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z Ethernet standards

- 48-Port 10/100Mbps Ethernet ports

- 2 10/100/1000Mbps ports and 2-SFP mini-GBIC interfaces

- Featured Store-and-Forward mode at wire-speed filtering and forwarding rates

- Hardware based 10/100Mbps, half / full-duplex and 1000Mbps full duplex mode, flow control and auto-negotiation

- IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation

- Integrated address look-up engine, support 4K absolute MAC addresses

- Remote Web management interface

- System log, view trap, firmware upgrade, IP setting through Web management utility

- Port-based VLAN, Trunk, QoS support

- Supports backup and restore current configuration

- Trap function for Switch events

- Automatic address learning and address aging

- Supports Auto MDI/MDI-X function

- Supports CSMA/CD protocol

- 100~240VAC, 1.2A, 50~60Hz universal Power input

- FCC, CE class A compliant

Data Sheet

SPECIFICATION

Product	48-Port + 4 Gigabit Ethernet Web Smart Switch
Model	FGSW-4840S
Hardware Specification	
10/100/Base-TX Ports	48
10/100/1000Base-T Ports	2
SFP Mini-GBIC interfaces	2
Switch Processing Scheme	Store-and-Forward
Switch fabric	17.6Gbps
Throughput (packet per second)	13Mbps
Address Table	4K entries
Share data Buffer	1536KBytes
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Dimensions	440 x 200 x 44 mm (1U height)
Weight	3 kg
Power Requirement	100~240 VAC, 1.2A, 50-60 Hz
Power Consumption / Dissipation	24 Watts, 81 BTU/hr
Temperature	Operating: 0~50 Degree C, Storage -40~70 Degree
Humidity Operating:	5% to 90%, Storage: 5% to 90% (Non-condensing)
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 (Ethernet)
	IEEE 802.3u (Fast Ethernet)
	IEEE 802.3ab(Gigabit Ethernet)
	IEEE 802.3 z (Gigabit Ethernet)
	IEEE 802.3x (Full-duplex flow control)

APPLICATIONS

Backbone Switch

With up to 17.6 Gigabits per second of non-blocking switch fabric, the switch can easily provide the high bandwidth for demands at present and in the future. Providing 48 Fast Ethernet ports with 2 Gigabit Ethernet ports and 2 SFP Mini-GBIC interfaces, the FGSW-4840S is ideal to be used as a server farm switch connecting to your servers and powerful desktops.

epartment Switch

With 48 ports, the FGSW-4840S can connect up to 48 workstations in your Ethernet environment. The 4-Gigabit uplink to a department backbone via either 2 Gigabit ports or 2 SFP Mini-GBIC interfaces.

ORDERING INFORMATION

FGSW-4840S	48-Port + 4 Gigabit Ethernet Web Smart Switch

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