24-Port 10/100Mbps
+ 2- Gigabit Web Smart Ethernet Switch

For catering to the need of remote management and advanced function enhance, PLANET releases two new version Web Smart Switches, the FGSW-2402VS and FGSW-2620VSF.

The new PLANET FGSW-2402VS offers 24 10/100Mbps Fast Ethernet ports with 2 open slots (port25, 26). The two open slots can be installed by optionally two of 1000Base-T port, 100Base-FX, or 1000Base- SX/LX fiber-optic interfaces. The distance can be extended from 100 meters (TP), 2 kilometers (Multi-mode, ST or SC), up to 15 kilometers (Single-mode, SC). Also the PLANET FGSW-2620VSF provides 24 10/100Mbps Fast Ethernet ports and 2 Gigabit TP/SFP combo ports.

Both switches are equipped with non-blocking 8.8Gbps backplane greatly simplifies the tasks of upgrading your LAN to cater for increased bandwidth demands.

For efficient management, the FGSW-2402VS / FGSW-2620VSF Web Smart Switch is equipped with web interface. The two Web Smart Switches can be programmed for basic switch management functions such as port speed configuration, Port Trunking, Port-based VLAN, Port Mirroring, QoS, bandwidth control, Access Control list and Misc Configuration.

The FGSW-2402VS / FGSW-2620VSF provide port-based VLAN (including overlapping). The VLAN groups allowed on the 2 switches will be maximally up to 26 for port-based VLAN. Via supporting port trunking, the FGSW-2402VS / FGSW-2620VSF allow the operation of a high-speed trunk combining multiple ports. The FGSW-2402VS / FGSW-2620VSF provide seven groups of up to 8-ports for trunking, and it supports fail-over as well.

With its Auto-Negotiation capability, all the RJ-45/STP ports of FGSW-2402VS / FGSW-2620VSF 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.

KEY FEATURE

- Complies with the IEEE 802.3, IEEE 802.3u, IEEE 802.3z and IEEE 802.3ab Gigabit Ethernet standard

- 24-Port 10/100Mbps Fast Ethernet Switch

- 2 open slots for 1000Base-T and 100Base-FX, 1000Base-SX/LX fiber-optic interface with various connection media and distances (FGSW-2420VS)

- 2-Port Gigabit TP/SFP combo ports (FGSW-2620VSF)

- 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 the network bandwidth

- 8K MAC address table, automatic source address learning and ageing

- 512K Bytes packet buffers

- Web interface for Switch basic management and setup

- Support up to 26 port-based VLAN groups

- Support up to 7 Trunk groups, each trunk for up to maximum 8 port with 800Mbps bandwidth

- Port mirroring allows monitoring of the traffic across any port in real time

- Support QoS and bandwidth control on each port

- Supports Access Control List function

- 19-inch rack mount size

- Internal full-range power supply suitable for worldwide use

- EMI standards comply with FCC, CE class A

Data Sheet

SPECIFICATION

Product	24-Port 10/100Mbps + 2-Gigabit Web Smart Ethernet Switch	
Model	FGSW-2402VS	FGSW-2620VSF
Hardware Specification		
Ports	24 10/100Base-TX RJ-45 Auto-MDI/MDI-X ports	
Module Slots	2 open slots for 1000Base-T and 100Base-FX, 1000Base-SX/LX fiber-optic interface	2 Gigabit TP/SFP combo ports
Switch Processing Scheme	Store-and-forward	
Throughput (packet per second)	6.547Mpps	
Switch Fabric	8.8Gbps	
Address Table	8K entries	
Share data Buffer	512K Bytes	
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex	
Dimensions	440 x 120 x 44 mm, 1U height	
Weight	1.87kg	1.85kg
Power Requirement	100~240V AC, 50-60 Hz	
Power Consumption / Dissipation	13.5 Watts maximum / 46 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)	
Smart Function		
System Configuration	Web interface	
Port Status	Display per port's disable/enable status, per port's link status and speed duplex mode. Also the Flow control status	
Port Configuration	Per port disable/enable, Auto-negotiation disable/enable. 10/100Mbps full and half duplex mode selection. Flow control disable/enable and bandwidth control on each port	
Trunk Configuration	Support 7 groups of 8-Port trunk support	
VLAN Configuration	Maximum up to 26 VLAN groups for port-based VLAN	
Port Monitoring	One Mirroring port to monitor one mirrored port. The monitor modes are RX, TX and RX & TX	
QoS Configuration	IEEE 802.1p QoS on each port	
Port Counters	Display detail traffic counters on each port	
Access Control List	Supports up to 16 Access Control list group	
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 802.3z (Gigabit Ethernet) IEEE 802.3x (Full-duplex flow control) IEEE 802.1p QoS	

APPLICATIONS

Workgroup Switch

With 24 10/100Mbps ports and up to 2 optional copper or fiber ports and 2 Gigabit TP/SFP combo ports, the switches provide a cost-effective, high-performance solution for power users.

Department Switch

With its 8.8 Gigabits per second, non-blocking switch fabric, the FGSW-2402VS / FGSW-2620VSF can easily provide a local, high bandwidth, Fast Ethernet network for your departmental backbone. With the two open slots or Gigabit TP/SFP combo ports, the FGSW-2402VS / FGSW-2620VSF provides the uplink to the backbone network through either Fast Ethernet fiber-optic or Gigabit Ethernet SX/LX modules.

MTU Switch

In an MTU/MDU application, the advanced functionality of the FGSW-2402VS / FGSW-2620VSF eliminates traditional problems associated with Ethernet. Using the built-in VLAN functionality can segregate users. This coupled with the flexible fiber module options makes the FGSW-2402VS / FGSW-2620VSF one of the best and most cost-effective switch solutions for multi-tenant service providers.

Ordering Information

FGSW-2402VS	24-Port 10/100Mbps +2 Gigabit slots Web Smart Ethernet Switch
FGSW-2620VSF	24-Port 10/100Mbps +2 Gigabit TP/SFP Combo Ports Web Smart Ethernet Switch

Available Modules

MII-VSC	100Base-FX Fast Ethernet Module (SC,MM, 2km)
MII-VST	100Base-FX Fast Ethernet Module (ST, MM, 2km)
MII-VS15	100Base-FX Fast Ethernet Module (SC, SM, 15km)
MII-VSA20	100Base-FX (SC,SM, 20km) Fast Ethernet Module (WDM, Tx: 1310)
MI- VSB20	100Base-FX (SC,SM, 20km) Fast Ethernet Module (WDM, Tx: 1550)
MII-GT	10/100/1000Mbps Ethernet Module (RJ-45 copper,100m)
MII-SX	1000Base-SX Gigabit Ethernet Module (SC,MM,550m)
MII-LX	1000Base-LX Gigabit Ethernet Module (SC,SM/MM, 10km)
MII-L40	1000Base-LX Gigabit Ethernet Module (SC,SM/MM, 40km)
MII-L70	1000Base-LX Gigabit Ethernet Module (SC,SM/MM,70km)
MII-SFP	10/100/1000Base-T TP / Gigabit SFP (mini GBIC) Ethernet Module (TP/SFP)
MII-LA15	1000Base-LX (SC SM,15km) Gigabit Ethernet Module (WDM,Tx:1310nm)
MII-LB15	1000Base-LX (SC SM,15km) Gigabit Ethernet Module (WDM,Tx:1550nm)
MGB-GT	SFP-Port 1000Base-T mini-GBIC module
MGB-SX	SFP-Port 1000Base-SX mini-GBIC module
MGB-LX	SFP-Port 1000Base-LX mini-GBIC module
MGB-L50	SFP-Port 1000Base-LX mini-GBIC module - 50KM
MGB-L70	SFP-Port 1000Base-LX mini-GBIC module - 70KM
MGB-LA10	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM, 10km
MGB-LB10	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM, 10km
MGB-LA20	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM, 20km
MGB-LB20	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM, 20km
MGB-LA40	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM, 40km
MGB-LB40	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM, 40km

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