

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



For catering to the need of remote management and more advanced functions of the in-line power, PLANET releases two new versions of Web Smart PoE (Power over Ethernet) Switches, the FGSW-2620PVSv2 and FGSW-2612PVSv2.

The new PLANET FGSW-2620PVS and FGSW-2612PVS provides 24 10/100Mbps Fast Ethernet ports and 2 Gigabit TP/SFP combo ports, the two Gigabit ports either can be 1000Base-T for 10/100/1000Mbps or 1000Base-SX/LX through SFP (Small Factor Pluggable) interface. The distance can be extended from 100 meters (TP), 550 meters (Multi-mode fiber), up to above 10/50/70/120 kilometers (Single-mode fiber).

Both Web Smart PoE Switches are equipped with non-blocking 8.8Gbps backplane greatly simplifies the tasks of upgrading your LAN to cater for increased bandwidth demands. The PoE in-line power follows the standard IEEE 802.3af for making the both FGSW-2620PVS and FGSW-2612PVS able to power on 24/12 PoE devices at the distance up to 100 meters through the 4-pair Cat 5/5e UTP wire.

For efficient management, both Web Smart PoE Switches are equipped with web interface. The FGSW-2620PVS and FGSW-2612PVS can be programmed on 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, PoE port configuration.

Both Web Smart PoE Switches provide port-based VLAN (included overlapping). The VLAN groups allow the 2 Web Smart PoE Switches for being maximally up to 26 for port-based VLAN. Via supporting port trunking, the FGSW-2620PVS and FGSW-2612PVS allow the operation of high-speed trunk combining multiple ports and provide seven groups of up to 8-ports for trucking. And it supports fail-over as well.

With its Auto-Negotiation capability, all the RJ-45/STP ports of FGSW-2620PVS and FGSW-2612PVS can be configured to speed on 10/20Mbps or 100/200Mbps automatically. In addition, the product is equipped with the auto-detected MDI/MDI-X for plugging easily.

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-Port Gigabit TP/SFP combo ports
- 12-Port PoE (FGSW-2612PVS) and 24-Port PoE (FGSW-2620PVS)
- Each Switching port supports auto-negotiation-10/20, 100/200Mbps supported
- Supports IEEE 802.3af 15.4 watts power output on each port
- 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
- Supports up to 26 port-based VLAN groups
- Supports up to 7 Trunk groups, each trunk for up to maximum 8 port with 800Mbps bandwidth
- Port mirroring allows to monitor the traffic across any port in real time
- Supports QoS and bandwidth to control 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

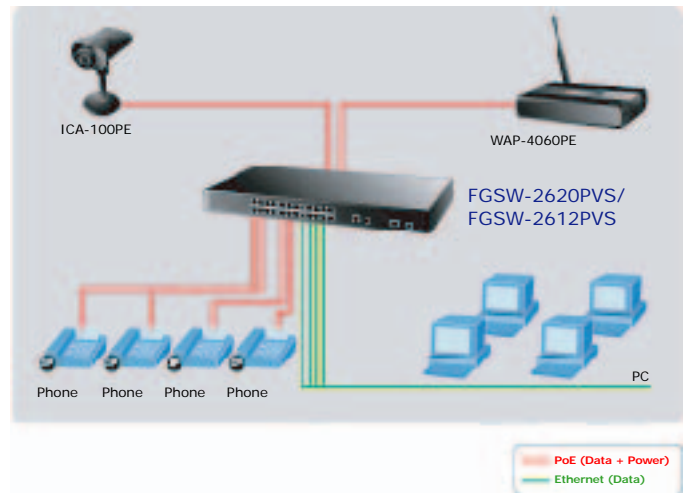
SPECIFICATION
Product 24-Port 10/100Mbps + 2 Gigabit Web Smart PoE Switch

| Model | FGSW-2620PVS | FGSW-2612PVS |
|--|--|--|
| Hardware Specification | | |
| Ports | 24 10/100Base-TX RJ-45 Auto-MDI/MDI-X ports | |
| Module Slots | 2 Gigabit TP/SFP combo ports | |
| PoE Ports | 24 (port 1 to port 24) | 12 (port 1 to port 12) |
| 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 265 x 44 mm, 1U height | |
| Weight | 3.87kg | 3.51kg |
| Power Requirement | 100~240V AC, 50-60 Hz | |
| Switch Power Consumption / Dissipation | 13.5 Watts maximum / 46 BTU/hr maximum | |
| PoE Power Consumption / Dissipation | 260 Watts maximum / 887 BTU/hr maximum | 130 Watts maximum / 443 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 | Supports 7 groups of 8-Port trunk | |
| 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 | |
| PoE Ports Configuration | Per PoE port disable / enable and power feeding priority assign | |
| PoE Ports Status | Per PoE port status such as Enable or disable, power consumption and current. | |
| 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 802.3af Power over Ethernet IEEE 802.3x (Full-duplex flow control) IEEE 802.1p QoS | |

APPLICATIONS

Department/workgroup PoE Switch

With 24 10/100Mbps ports and 2 Gigabit TP/SFP combo ports, the FGSW-2620PVS and FGSW-2612PVS provide a cost-effective, high-performance solution for power users. With its 8.8 Gigabits per second, non-blocking switch fabric, both Web Smart PoE Switch can easily provide a local, high bandwidth, Fast Ethernet network for your departmental backbone. Providing up to 24 / 12 PoE, in-line power interface, the FGSW-2620PVS and FGSW-2612PVS can easily build a power central-controlled IP phone system, IP Camera system, AP group for the enterprise. For instance, 24 / 12 camera / AP can be easily installed around the corner in the company for surveillance demands or build a wireless roaming environment in the office. Without the power-socket limitation, the FGSW-2620PVS and FGSW-2612PVS make the installation of cameras or WLAN AP easier and more efficient.



MTU Switch

In an MTU/MDU application, the advanced functionality of the FGSW-2620PVS and FGSW-2612PVS eliminates traditional problems associated with Ethernet. Using the built-in VLAN functionality can segregate users. This coupled with the flexible SFP mini-GBIC fiber module options makes the FGSW-2620PVS and FGSW-2612PVS be one of the best and most cost-effective switch solutions for multi-tenant service providers.

ORDERING INFORMATION

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|---------------------|--|
| FGSW-2620PVS | 24-Port 10/100Mbps / PoE +2 Gigabit TP/SFP combo ports Web Smart Ethernet Switch |
| FGSW-2612PVS | 24-Port 10/100Mbps / 12-Port PoE +2 Gigabit TP/SFP combo ports Web Smart Ethernet Switch |

AVAILABLE MODULES

| | |
|-----------------|---|
| MGB-GT | 1000Base-T module |
| MGB-SX | 1000Base-SX module - SC MM 2KM |
| MGB-LX | 1000Base-LX module - SC SM 10KM |
| MGB-L50 | 1000Base-LX module - SC SM 50KM |
| MGB-L70 | 1000Base-LX module - SC SM 70KM |
| MGB-LA10 | 1000Base-LX module- LC WDM(TX:1310nm), SM, 10km |
| MGB-LB10 | 1000Base-LX module- LC WDM(TX:1550nm), SM, 10km |
| MGB-LA20 | 1000Base-LX module- LC WDM(TX:1310nm), SM, 20km |
| MGB-LB20 | 1000Base-LX module- LC WDM(TX:1550nm), SM, 20km |
| MGB-LA40 | 1000Base-LX module- LC WDM(TX:1310nm), SM, 40km |
| MGB-LB40 | 1000Base-LX module- LC WDM(TX:1550nm), SM, 40km |

Longer distance modules (up to 120km) are available upon request.