24-Port 10/100Mbps/PoE + 2G TP/SFP Combo Ethernet Switch

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The PLANET WGSW-2620PV PoE Switch features Power-over-Ethernet (PoE), which optimizes the installation and power management of network devices such as wireless access points (AP), Voice over IP (VoIP) phones, and security video cameras. Power-over-Ethernet (IEEE 802.3af) capabilities reduce installation costs for many new network productivity devices. It frees the wireless AP deployment from restrictions due to power outlet locations. Power and data switching are integrated into one unit and delivered over a single cable, eliminating costs for additional AC wiring and reducing installation time.

With twenty-four 10/100Mbps RJ-45 ports, two GbE copper ports and two shared SFP / copper GbE interface, PLANET WGSW-2620PV boasts a high performance switch architecture that is capable of providing non-blocking switch fabric high as 8.8Gbps. Its four built-in GbE uplink ports also offer incredible extensibility, flexibility and connectivity to the Core switch or Servers.

The IEEE 802.3af standard-based firmware provides a rich set of features and ensures interoperability with equipment from other vendors. Additionally, the firmware includes advanced features such as IGMP snooping, broadcast storm control, and MAC address filtering, to enhance security and bandwidth utilization.

With its built-in web-based management, the PLANET WGSW-2620PV offers an easy-to-use, platform-independent management and configuration facility. The PLANET WGSW-2620PV supports standard Simple Network Management Protocol (SNMP) and can be managed via any standard-based management software. For text-based management, the WGSW-2620 can also be accessed via Telnet and the console port.

An optional power supply, the USP-400, can be chosen as UPS or redundant power for WGSW-2620PV. The WGSW-2620 can take electrical power from the AC outlet, the UPS-400 and both for redundant. The UPS-400 supports 400 watts of electrical power, once the AC power shut off, the UPS-400 then take over as the UPS power supply for WGSW-2620PV and keep the switch and the connected powered devices working.

KEY FEATURE

- 24-Port 10/100Mbps TP ports with PoE injector

- 2G TP/SFP combo interface

- Complies to IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX/FX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z Gigabit fiber, IEEE 802.3af power over Ethernet

- High backplane bandwidth 8.8Gbps

- IGMP snooping and IGMP Query mode for Multi-media application

- Port mirror and bandwidth control

- Supports GVRP function

- End point insert mode remote power feeding

- Provides extra DC 48V input with redundant function and management power status through RS-232 port

- On line extra power supply testing through RS-232 port

- Management by Web/SNMP/Telnet/Console

- Port Based VLAN / IEEE 802.1Q Tag VLAN

- IEEE 802.3x Flow control - flow control for full duplex, back pressure for half duplex

- IEEE 802.3ad Port trunk with LACP

- Spanning tree protocol IEEE 802.1d/ IEEE 802.1w

- IEEE 802.1p class of service

- IEEE 802.1x user authentication, TACACS+

- Broadcast storm filter

- DHCP client/DHCP relay

- Support command line interface management

- System event log support

Data Sheet

SPECIFICATION

Product	24-Port 10/100Mbps with PoE + 2G TP/SFP Combo Ethernet Switch

Model	WGSW-2620PV
Hardware	
Network Connector	24-Port RJ-45 for 10/100TX RJ-45 Pin assignment and polarity: 1/2:RX signal and -48V DC; 3/6:TX signal and +48V DC
Gigabit Connector	2 TP + 2 mini-GBIC
RS-232 connector	One RS-232 DB-9 female connector for switch management and 2 RS-232 DB-9 male connectors on rear side for DC power supply and UPS management
Switch architecture	Store and forward switch architecture
Switch fabric	8.8Gbps
MAC address	8K MAC address table with Auto learning function
Memory	3Mbits for packet buffer
LED	System Power 10/100TX RJ-45 Port: Link/Active, Full-duplex, Power Forwarding Gigabit Fiber (module): Link/ Activity Gigabit Copper (module): Link/Activity, Full duplex/collision, 1000Mbps, 100Mbps 100FX module (module)): Link/Activity, Full duplex
Remote power feeding	End-point insert type and compatible with IEEE 802.3af Per port feeding power: 15.4Watts (maximum)
Power	Embedded AC power supply: AC 90~240V, 2.5A, 50/60Hz, 200W Extra power input: DC48V
Operating environment	0°C~40°C, 10%~95% H
Storage environment	-40°C~70°C, 95% H
Dimension (W x D x H)	440 x 280 x 44mm
EMI	FCC Class A, CE
Safety	UL, cUL, CE/EN60950
Standard Compliance	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T IEEE 802.3x Flow Control and Back pressure IEEE 802.3ad Port trunk with LACP IEEE 802.1d Spanning tree protocol IEEE 802.1w Rapid spanning tree protocol IEEE 802.1p Class of service IEEE 802.1Q VLAN Tagging IEEE 802.1x user authentication IEEE 802.3af Power over Ethernet

APPLICATIONS

Department/ Workgroup PoE Switch:

Providing up to 24 PoE, in-line power interface, the switch can easily build a power central-controlled IP phone system, IP Camera system, AP group for the enterprise. For instance, 24 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 switch makes the installation of cameras or WLAN AP more easily and efficiently.

ORDERING INFORMATION

WGSW-2620PV	24-Port 10/100Mbps with PoE + 2G TP/SFP Combo Ethernet Switch
UPS-400	400 watts UPS redundant power for WGSW-2620PV

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