

GSW-2620VHP

24-Port 10/100/1000T 802.3at PoE + 2-Port Gigabit SFP Ethernet Switch with LCD PoE Monitor

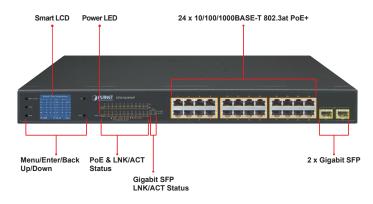


Just "Plug and Watch" for a Quick Solution

PLANET GSW-2620VHP is an ideal **Plug and Watch Power over Ethernet** solution which provides quick installation, real-time PoE work status monitoring and immediate troubleshooting through its unique LCD display to improve work efficiency and quality without any PC or software required.



The GSW-2620VHP Switch features **24 10/100/1000BASE-T** 30-watt 802.3at PoE+ copper ports and **2 extra 1000BASE-X SFP** slots with inner power system. With a total PoE power budget of up to **300 watts** and non-blocking data switching performance, the GSW-2620VHP fulfills the demand of sufficient PoE power for HD IP surveillance. It offers a desktop-sized, reliable and visible power solution for small businesses and system integrators deploying Power over Ethernet networks.



Physical Port

- · 24 10/100/1000BASE-T Gigabit RJ45 copper ports
- 2 1000BASE-X mini-GBIC SFP interfaces

Power over Ethernet

- Complies with IEEE 802.3af/at Power over Ethernet endspan PSE
- · Up to 24 ports of IEEE 802.3af/802.3at devices powered
- · Supports PoE Power up to 32 watts for each PoE port
- · Each port supports 54V DC power to PoE powered device
- 300-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m in standard mode and 250m in extend mode

Smart LCD

- The LCD switch features "Standard", "VLAN" and "Extend" modes; the "Extend" mode features 20-watt PoE transmission distance of 250m at speed of 10Mbps and VLAN isolation
- The LCD switch is able to isolate ports to prevent broadcast storm and defend DHCP spoofing
- Power low-voltage, power over-voltage and PSE overtemperature protection
- Screen saver, fan control, factory default and save configuration
- PoE management
 - Total PoE power budget control
 - Per port PoE function enable/disable
 - PoE port power feeding priority
 - Per PoE port power limitation
 - PD alive check

Switching

- Hardware-based 10/100/1000Mbps auto-negotiation and auto MDI/MDI-X
- Flow control for full duplex operation and back pressure for half duplex operation
- 9216bytes packet size
- · Integrates address look-up engine, supporting 8K absolute



GSW-2620VHP

Smart and Intuitive LCD Control

The GSW-2620VHP provides an intuitive color panel on its front panel that facilitates the Ethernet management and PoE PD management. They greatly promote management efficiency in large-scale networks, such as enterprises, hotels, shopping malls, government buildings, and other public areas, and feature the following special management and status functions:

- PoE management and status
- Port management and status
- Switch mode: Standard, VLAN and Extend
- Budget and bandwidth control
- PD alive check
- Maintenance: Screen saver, fan control, factory default and save configuration



MAC addresses

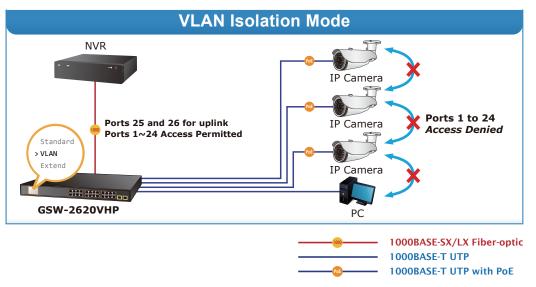
- IEEE 802.1Q VLAN transparency
- · Automatic address learning and address aging

Hardware

- 19-inch desktop size, 1U height, rack mountable
- · 2-inch color LCD with smart management functions
- LED indicators for system power, per port PoE ready and PoE activity, speed, Link/Act
- 3 silent fans to provide stable and efficient power performance
- Supports Energy-Efficient Ethernet (EEE) function (IEEE 802.3az)
- Supports contact discharge of ±6KV DC and air discharge of ±8KV DC for Ethernet ESD protection
- Supports ±6KV surge immunity

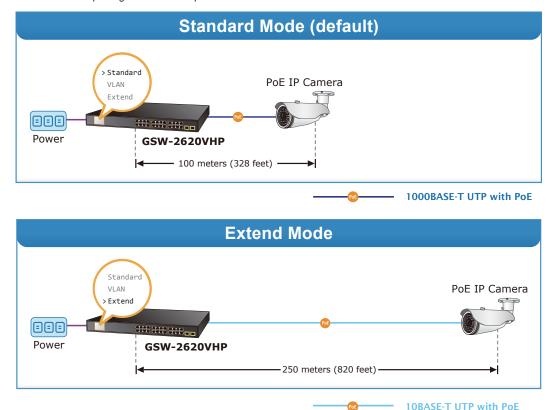
Standard, VLAN and Extend Operation Modes

The GSW-2620VHP provides Standard, VLAN and Extend operation modes. The GSW-2620VHP operates as a normal IEEE 802.3af/at PoE Switch in the Standard operation mode. The VLAN operation mode features the port-based VLAN function that can help to prevent the IP camera's multicast or broadcast storm from influencing each other.





In the Extend operation mode, the GSW-2620VHP operates on a per-port basis at 10Mbps duplex operation but can support 20-watt PoE power output over a distance of up to 250 meters overcoming the 100m limit on Ethernet UTP cable. With this brand-new feature, the GSW-2620VHP provides an additional solution for 802.3af/at PoE distance extension, thus saving the cost of Ethernet cable installation. Its VLAN isolation function isolates ports so as to prevent broadcast storm and defend DHCP spoofing in the Extend operation mode.



Flexible Extension Solution

The two mini-GBIC slots built in the GSW-2620VHP are compatible with the 1000BASE-SX/LX SFP (Small Form-factor Pluggable) fiber transceiver, uplinked to the backbone switch and monitoring center in long distance. The distance can be extended from 550 meters (multi-mode fiber) to 10/20/30/40/50/60/70/120 kilometers (single-mode fiber or WDM fiber). They are well suited for applications within the enterprise data centers and distributions.

Robust Protection

The GSW-2620VHP provides contact discharge of ±6KV DC and air discharge of ±8KV DC for Ethernet ESD protection. It also supports ±6KV surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

Easy Installation and Cable Connection

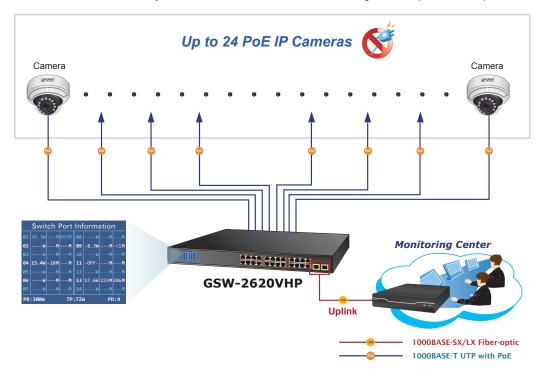
As data and power are transmitted over one cable, the GSW-2620VHP does not need a second cable and electrical outlets on the wall, ceiling or any unreachable place. Thus, it helps to lower the installation costs and simplify the installation effort. All the RJ45 copper interfaces of the GSW-2620VHP support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cable. It also supports standard auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight-through or crossover cables.



Applications

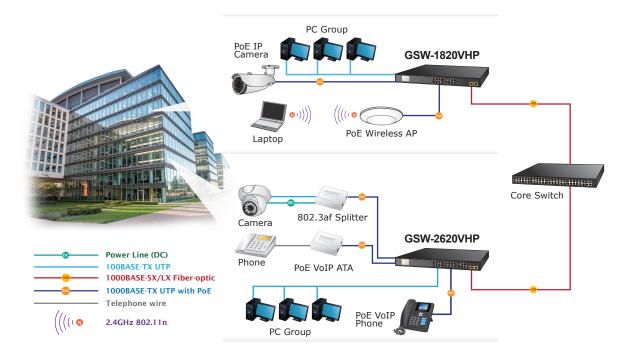
Perfectly-integrated Solution for PoE IP Camera and NVR System

With its 52Gbps high-performance switch architecture and 300-watt PoE power budget, the recorded video files from the 24 PoE IP cameras powered by the GSW-2620VHP are saved in the 24-channel NVR systems or surveillance software in the monitoring center for possible backup references.



Ideal PoE Switch for All Enterprises

Providing sixteen 802.3at PoE+ in-line power interfaces, the GSW-2620VHP can easily build a power that centrally controls IP phone system, IP camera system and wireless AP group for enterprises. Cameras can be installed around the corner in the company or campus for surveillance demands. Without the need for power sockets, the GSW-2620VHP makes the installation of cameras easier and more efficient.





Specifications

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| Weight 3.5kg Power Requirements 100-240V AC, 50/60Hz, 5A max. Power Consumption/Dissipation Max. 330watts/1132 BTU Power Consumption/Dissipation Max. 330watts/1132 BTU Thermal Fan 3 ESD Protection Contact discharge of ±6KV DC Air discharge of ±6KV DC Surge Immunity ±6KV Power over Ethernet EEE 802.3af Power over Ethernet/PSE PoE Power Supply Type End-span PoE Power Output Per port 53V-54V DC, 300mA, max. 15.4 watts (IEEE 802.3af) Per port 53V-54V DC, 300mA, max. 30 watts (IEEE 802.3af) Per port 53V-54V DC, 600mA, max. 30 watts (IEEE 802.3af) Power Pin Assignment 112 (+), 36 (-) PoE Power Supply 300 watts Max. Number of Class 2 PDs 24 Max. Number of Class 3 PDs 23 Max. Number of Class 4 PDs 11 Standards Conformance FCC Part 15 Class A, CE Regulatory Compliance FC Part 15 Class A, CE IEEE 802.3a Flow control and back pressure IEEE 802.3a Flow control and back pressure IEEE 802.3a Flow control and back pressure IEEE 802.3a Power ower Ethernet Plus IEEE 802.3a Power ower Ethernet Plus | Dimensions (W x D x H) | 440 x 233 x 44 mm (1U height) |
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| Environment Temperature: -10 ~ 60 degrees C Relative Humidity: 10 ~ 90% (non-condensing) | | |
| Operating Temperature: -10 ~ 60 degrees C Relative Humidity: 10 ~ 90% (non-condensing) | Freingenat | IEEE 802.3az Energy Efficient Ethernet (EEE) |
| Operating Relative Humidity: 10 ~ 90% (non-condensing) | Environment | |
| Operating | | |
| | Operating | |
| * Temperature: < 40 degrees C; Humidity: < 90% | | |
| Temperature: > 40 degrees C; Humidity: < 50% | | |
| Storage Temperature: -10 ~ 70 degrees C | Storage | |
| Relative Humidity: 5 ~ 90% (non-condensing) | | Relative Humidity: 5 ~ 90% (non-condensing) |



Ordering Information

GSW-2620VHP

24-Port 10/100/1000T 802.3at PoE + 2-Port Gigabit SFP Ethernet Switch with LCD PoE Monitor

Related PoE Products

| GSD-1222VHP | 8-Port 10/100/1000T 802.3at PoE + 2-Port 10/100/1000T + 2-Port 1000X SFP Ethernet Switch with PoE LCD Monitor |
|--------------|---------------------------------------------------------------------------------------------------------------|
| GSW-1820VHP | 16-Port 10/100/1000T 802.3at PoE + 2-Port 1000X SFP Gigabit Ethernet Switch with LCD PoE Monitor (300W) |
| FGSD-1022VHP | 8-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP combo Desktop Switch with LCD PoE Monitor (120 Watts) |
| FGSW-1822VHP | 16-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP Combo Ethernet Switch with LCD PoE Monitor (300W) |
| FGSW-2622VHP | 24-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP Combo Ethernet Switch with LCD PoE Monitor (300W) |
| HDP-5240PT | 720p SIP Multi-unit Video Door Phone with RFID and PoE |
| HDP-5260PT | 720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE |
| ICA-3250 | 1080p IR Bullet PoE IP Camera |
| ICA-4250 | 1080p IR Dome PoE IP Camera |
| ICA-E8550 | 5 Mega-pixel Outdoor IR PoE Fisheye IP Camera with Extended Support |
| ICA-M4320P | H.265 3 Mega-pixel IR IP Camera with Remote Focus and Zoom |
| WNAP-W2200UE | 300Mbps 802.11n In-Wall Wireless Access Point w/ USB Charger |
| WDAP-C7200E | 1200Mbps 802.11ac Dual Band Ceiling-mount Wireless Access Point |
| WNAP-C3220E | 300Mbps 802.11n Ceiling-mount Wireless Access Point |
| ICF-1800 | HD Touch Screen Android Multimedia Conferencing Phone |
| POE-162S | IEEE 802.3at Gigabit High Power over Ethernet Splitter |
| POE-E201 | IEEE 802.3at Power over Ethernet Extender |
| VIP-1120PT | High Definition Color PoE IP Phone |
| VIP-2140PT | High Definition Color PoE IP Phone with Dual Display |

SFP Gigabit Modules are available for the GSW-2620VHP

Gigabit Ethernet Transceiver (1000BASE-X SFP)

| Model | DDM | Speed (Mbps) | Connector Interface | Fiber Mode | Distance | Wavelength (nm) | Operating Temp. |
|----------|-----|--------------|---------------------|-------------|----------|-----------------|--------------------|
| MGB-GT | - | 1000 | Copper | | 100m | | 0 ~ 60 degrees C |
| MGB-SX | YES | 1000 | LC | Multi Mode | 550m | 850nm | 0 ~ 60 degrees C |
| MGB-SX2 | YES | 1000 | LC | Multi Mode | 2km | 1310nm | 0 ~ 60 degrees C |
| MGB-LX | YES | 1000 | LC | Single Mode | 20km | 1310nm | 0 ~ 60 degrees C |
| MGB-L40 | YES | 1000 | LC | Single Mode | 40km | 1310nm | 0 ~ 60 degrees C |
| MGB-L80 | YES | 1000 | LC | Single Mode | 80km | 1550nm | 0 ~ 60 degrees C |
| MGB-L120 | YES | 1000 | LC | Single Mode | 120km | 1550nm | 0 ~ 60 degrees C |
| MGB-TSX | YES | 1000 | LC | Multi Mode | 550m | 850nm | -40 ~ 75 degrees C |
| MGB-TSX2 | YES | 1000 | LC | Multi Mode | 2km | 1310nm | -40 ~ 75 degrees C |
| MGB-TLX | YES | 1000 | LC | Single Mode | 20km | 1310nm | -40 ~ 75 degrees C |
| MGB-TL40 | YES | 1000 | LC | Single Mode | 40km | 1310nm | -40 ~ 75 degrees C |
| MGB-TL80 | YES | 1000 | LC | Single Mode | 80km | 1550nm | -40 ~ 75 degrees C |



Gigabit Ethernet Transceiver (1000BASE-BX, Single Fiber Bi-directional SFP)

| Model | Speed (Mbps) | Connector Interface | Fiber Mode | Distance | Wavelength (TX) | Wavelength (RX) | Operating Temp. |
|------------------------|--------------|----------------------------|-------------------|----------|-----------------|--------------------|--------------------|
| MGB-LA10 | 1000 | WDM(LC) | Cingle Mede | 10km | 1310nm | 1550nm | 0 ~ 60 degrees C |
| MGB-LB10 | 1000 | VVDIVI(LC) | Single Mode | | 1550nm | 1310nm | |
| MGB-LA20 | 1000 | WDM(LC) | Single Mode | 20km | 1310nm | 1550nm | 0 ~ 60 degrees C |
| MGB-LB20 | 1000 | WDIVI(LC) | Silligle Mode | 20KIII | 1550nm | 1550nm 1310nm 0~60 | 0~00 degrees C |
| MGB-LA40 | 1000 | | Cingle Mede | 40km | 1310nm | 1550nm | 0 ~ 60 degrees C |
| MGB-LB40 | 1000 | WDM(LC) | Single Mode | 40KIII | 1550nm | 1310nm | |
| MGB-LA60 | 1000 | WDM(LC) | C) Single Mode 60 | 60km | 1310nm | 1550nm | 0 ~ 60 degrees C |
| MGB-LB60 | 1000 | WDIVI(LC) | Silligle Mode | OUKIII | 1550nm | 1310nm | |
| MGB-TLA10 | 1000 |) WDM(LC) Single Mode 10km | Single Mede 10km | 10km | 1310nm | 1550nm | -40 ~ 75 degrees C |
| MGB-TLB10 | 1000 | WDW(LC) | Siligle Mode | IUKIII | 1550nm | 1310nm | -40 - 75 degrees C |
| MGB-TLA20 | 1000 | WDM(LC) | Single Mode | 20km | 1310nm | 1550nm | -40 ~ 75 degrees C |
| MGB-TLB20 | 1000 | WDW(LC) | Siligle Mode | 2011 | 1550nm | 1310nm | |
| MGB-TLA40 | 1000 | WDM(LC) | Single Mode | 40km | 1310nm | 1550nm | -40 ~ 75 degrees C |
| MGB-TLB40 | 1000 | WDIVI(LC) | Silligle Mode | 40KIII | 1550nm | 1310nm | |
| MGB-TLA60 MGB-TLB60 | 1000 | WDM(LC) | Single Mode | 60km | 1310nm | 1550nm | -40 ~ 75 degrees C |
| | | | | | 1550nm | 1310nm | |

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