

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

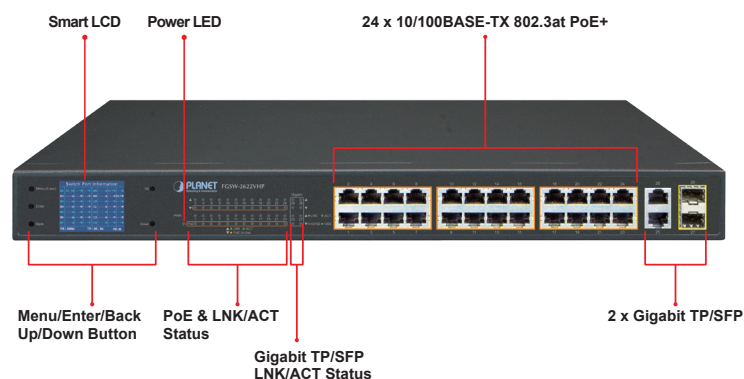


Just "Plug and Watch" for a Quick Solution

PLANET FGSW-2622VHP 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 FGSW-2622VHP 10/100BASE-TX Switch features 24 10/100BASE-TX ports with each 30-watt port, **2 Gigabit TP slots and 2 Gigabit SFP** interfaces with inner power system. With a total PoE+ power budget of **300 watts** and non-blocking data switching performance, the FGSW-2622VHP can fulfill 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.



Smart and Intuitive LCD Control

PLANET FGSW-2622VHP 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 for enterprises, hotels,

Physical Port

- **24 10/100BASE-TX** Fast Ethernet RJ45 copper ports
- **2 10/100/1000BASE-T TP** interfaces and **2 1000BASE-X mini-GBIC SFP** interfaces

Power over Ethernet

- Complies with IEEE 802.3af/at Power over Ethernet end-span PSE
- Up to 24 ports of IEEE 802.3af/at 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" mode selection; the "Extend" mode features 20-watt PoE transmit 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 over-temperature 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

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

Switch Port Information											
01	30.3W	---	M	33M	08	---	M	---	M	---	M
02	---	---	M	---	09	8.3W	---	M	---	11M	---
03	---	---	M	---	10	---	---	M	---	---	---
04	15.4W	---	M	---	11	---	---	M	---	---	---
05	---	---	M	---	12	---	---	M	---	---	---
06	---	---	M	---	13	17.6W	---	M	---	12M	---
07	---	---	M	---	14	---	---	M	---	---	---
PB:300W			TP:72W			PD:4					

Main Menu	
01	Switch Mode
02	Budget Control
03	PSE Port Priority
04	PSE Port Enable
05	PD Type
06	Alive Check
07	Bandwidth
08	Fan Control

Switch Mode	
Options:	
>	Standard
	VLAN
	Extend

PSE Port Enable	
Port	Status
01	> Enable
	Disable
Current Setting: Enable	
<UP>/<Down>:Select	
<Enter>:Confirm <Back>:Return	



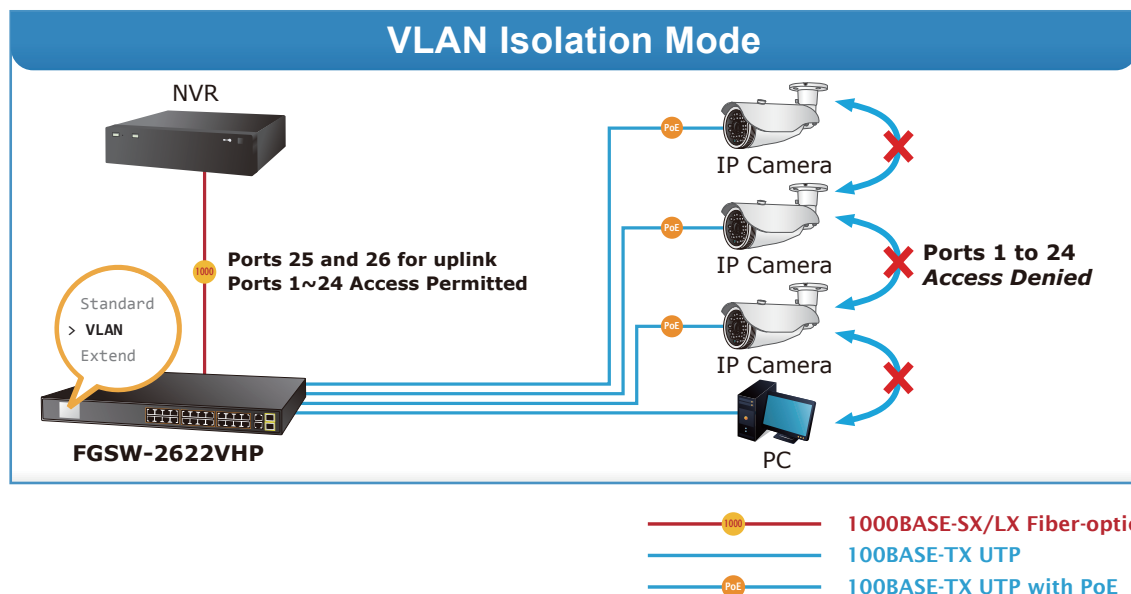
- Integrates address look-up engine, supporting 8K absolute MAC addresses
- IEEE 802.1Q VLAN transparency
- Automatic address learning and address aging

Hardware

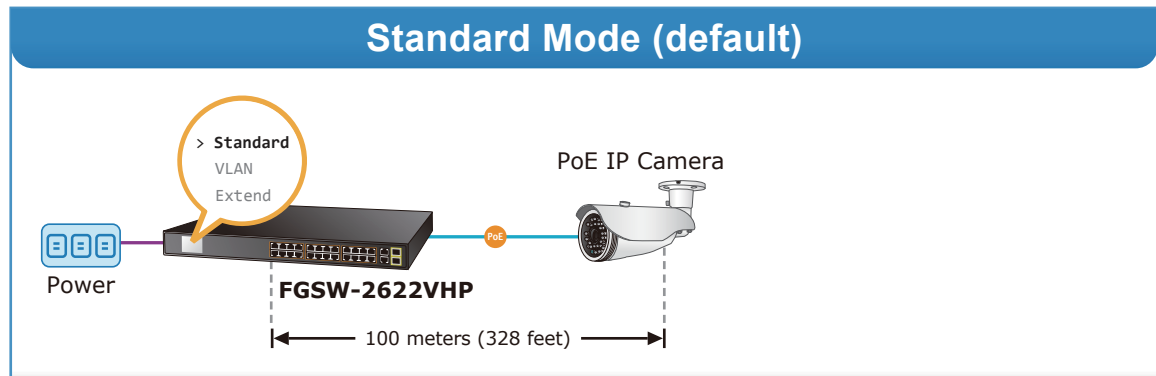
- 19-inch desktop size, 1U height, rack mountable
- 2-inch color LCD with smart management functions
- LED indicators for system power, per port PoE ready and PoE activity, speed, Link/Act
- 3 silent fans to provide stable and efficient power performance
- Supports Energy-Efficient Ethernet (EEE) function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

Standard, VLAN and Extend Operation Modes

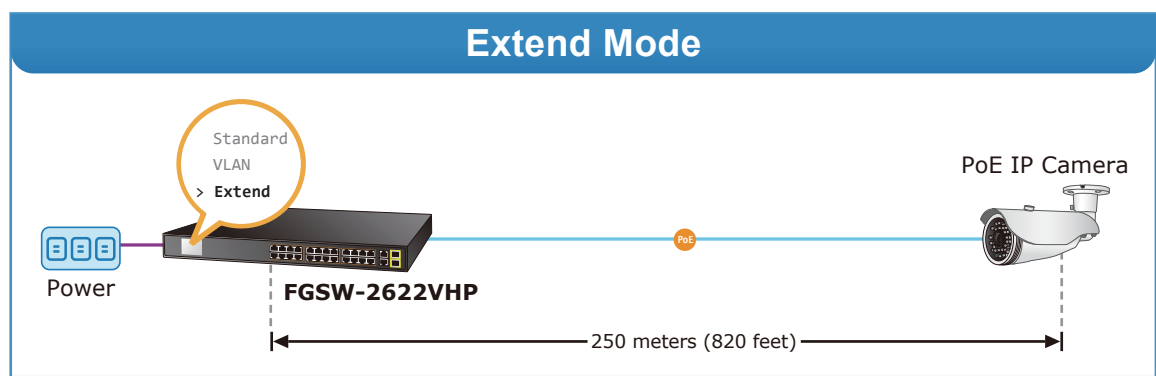
PLANET FGSW-2622VHP provides Standard, VLAN and Extend operation modes. The FGSW-2622VHP operates as a normal IEEE 802.3af/at PoE Switch in the Standard operation mode. The VLAN operation mode features the port-based VLAN function that can help to prevent the IP camera's multicast or broadcast storm from influencing each other.



In the Extend operation mode, the FGSW-2622VHP 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 FGSW-2622VHP 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.



PoE 100BASE-TX UTP with PoE



PoE 10BASE-T UTP with PoE

Flexible Extension Solution

The two mini-GBIC slots built in the FGSW-2622VHP is 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 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 FGSW-2622VHP provides contact discharge of $\pm 6\text{KV}$ DC and air discharge of $\pm 8\text{KV}$ DC for Ethernet ESD protection. It also supports $\pm 6\text{KV}$ 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 FGSW-2622VHP 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 FGSW-2622VHP 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.