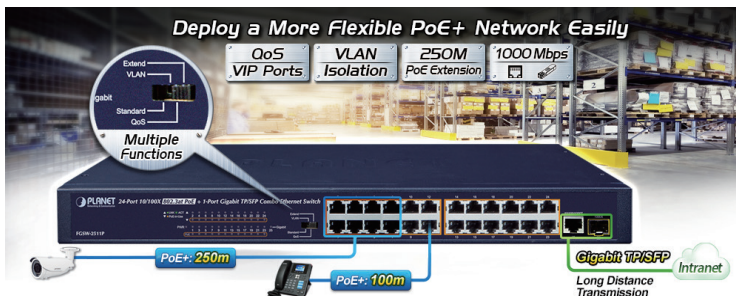


24-Port 10/100BASE-TX 802.3at PoE + 1-Port Gigabit TP/SFP Combo Ethernet Switch

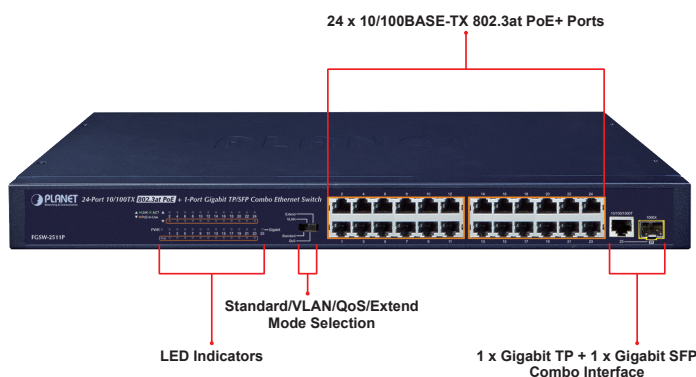


Centralized Power Distribution for HD IP Surveillance System

The FGSW-2511P, a new PLANET 802.3at PoE Fast Ethernet Switch, provides **24 10/100BASE-TX 802.3at PoE+ ports** with a total of 190 watts of PoE budget, one 10/100/1000BASE-T uplink port, and one shared 1000BASE-X SFP slot. Its PoE power is more than enough for those network applications with Fast Ethernet speed transmission.



The 24 802.3at PoE+ ports feature PoE power injector function which is able to drive 24 IEEE 802.3at compliant powered devices. The FGSW-2511P also offers a simple, cost-effective and non-blocking wire-speed performance. It comes with a 19-inch metal housing, suitable for desktop deployment in SOHO office or department network application.



Physical Interface

- 24 10/100BASE-TX RJ45 copper ports
- One 10/100/1000BASE-T Gigabit RJ45 copper port
- One shared 1000BASE-X SFP interface
- Hardware-based DIP switch for "Standard", "VLAN", "QoS" or "Extend" mode selection

Power over Ethernet

- Complies with IEEE 802.3at Power over Ethernet Plus end-span PSE
- Up to 24 IEEE 802.3af/at devices powered
- Supports PoE power up to 30 watts for each PoE port
- 190-watt PoE budget
- Each PoE port supports 52V DC power to PoE powered device
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m in standard mode
- The "Extend" mode features 25-watt PoE transmit distance of 250m at speed of 10Mbps

Switching

- Hardware-based 10/100Mbps and 10/100/1000Mbps auto-negotiation and auto MDI/MDI-X
- Flow control for full duplex operation and back pressure for half duplex operation
- Integrates address look-up engine, supporting 16K absolute MAC addresses
- Automatic address learning and address aging
- Solid DIP switch to isolate ports to prevent broadcast storm and defend DHCP spoofing

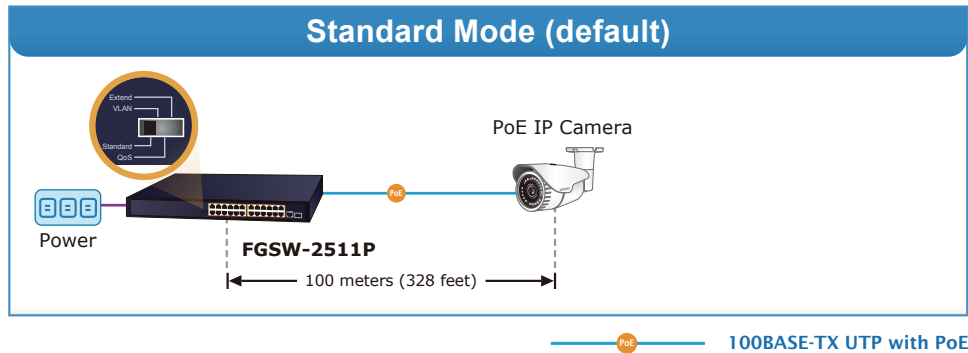
Hardware

- 19-inch rack-mount size, 1U height
- LED indicators for PoE ready/activity and LINK/ACT
- Internal AC power supply
- Supports Energy-Efficient Ethernet (EEE) function (IEEE 802.3az)

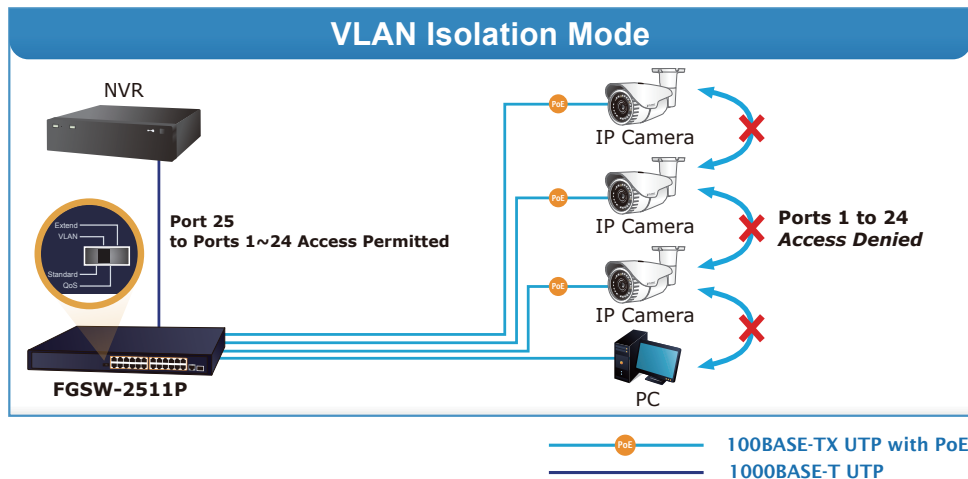
Distance Extended for Transmission of Power and Data

The built-in solid DIP switch provides "Standard", "VLAN", "QoS" and "Extend" operation modes.

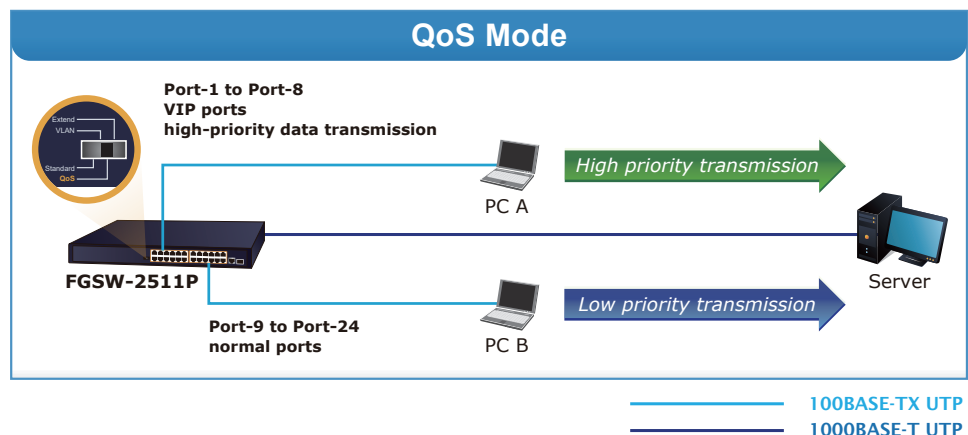
- In the **"Standard"** operation mode, the FGSW-2511P operates as a normal IEEE 802.3at PoE+ Switch.



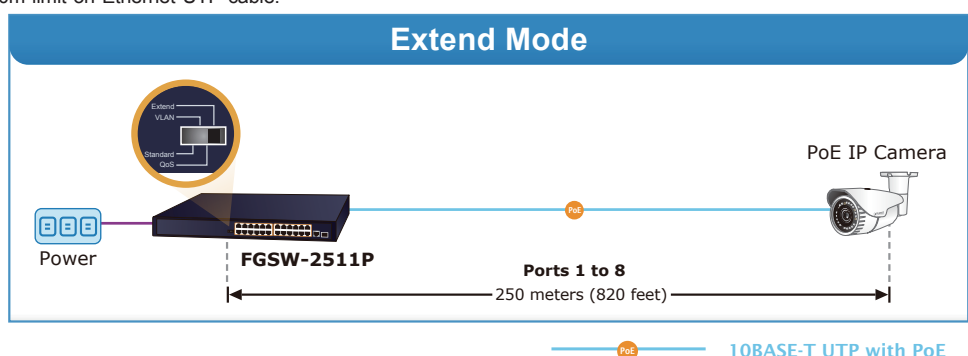
- The **"VLAN"** operation mode features port-based VLAN function that can help to prevent the IP camera's multicast or broadcast storm from influencing each other.



- The **"QoS"** operation mode features port-based QoS function. Port 1 to Port 8 supports port priority; optimize port cache.



- In the **"Extend"** operation mode, PoE Port-1 to Port-8 of the FGSW-2511P can support 25-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-2511P provides an additional solution for 802.3af/at PoE distance extension, thus saving the cost of Ethernet cable installation. Its VLAN isolation function isolates each port so as to prevent broadcast storm and defend DHCP spoofing in the "VLAN" operation mode.

Gigabit Uplink Port

The FGSW-2511P comes with one combo uplink interface with a transfer rate of 1000Mbps to ensure high-speed data and video transmission, and reliable assurance for connection between the surveillance system and outside network where the eight PoE+ ports can be used to their full potential.

Fiber-Optic Link Capability Enables Extension of Network Deployment

The mini-GBIC slot built in the FGSW-2511P supports 1000BASE-SX/LX SFP (small form-factor pluggable) fiber-optic modules, meaning the administrator now can flexibly choose the suitable SFP transceiver based on the transmission distance or the transmission speed required to extend the network efficiently. The distance can be extended from 550 meters to 2 kilometers (multi-mode fiber) and 10/20/40/60/80/120 kilometers (single-mode fiber or WDM fiber). They are well suited for applications to uplink to backbone switch and monitoring center in long distance.

Robust Protection

The FGSW-2511P protects against the ESD 4kV surge to improve product stability and also protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

Easy Installation and Cable Connection

As data transfer and high PoE are transmitted over a cable, the FGSW-2511P is able to reduce the need of extended cables and electrical outlets on the wall, ceiling or any unreachable place. It helps to lower the installation costs and simplify the installation effort. All RJ45 copper interfaces of the FGSW-2511P support 10/100Mbps or 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.

