Multiple Gigabit + 2-Port 1000X SFP Web Smart Ethernet Switch

PLANET GS-2210 smart Ethernet switch combined with **NMS** makes network management easier and more efficient. In addition, it is easy to configure whatever application that the industry needs. It features link aggregation, IGMP, QoS, PoE schedule and more to improve the availability of critical business applications.

The GS-2210 PoE+ series provides **8~24 10/100/1000BASE-T** ports featuring **32-watt 802.3at PoE+** and **2 additional Gigabit SFP** slots. With a total power budget of up to **120~260 watts** for different kinds of PoE applications, it provides a quick, safe and cost-effective Power over Ethernet network solution for small businesses and enterprises.

Through the **NMS**, administrators can centrally manage networks of up to **102,400 nodes** from a central office, thereby greatly improving network and power management efficiency. With its user authentication management, combined with the **NMS**, the security of data transmission in modern factory automation systems is enhanced.

The hardware specifications of these models are shown below:

Models	10/100/1000T Copper	100/1000X SFP	PoE Ports	PoE Budget	Power Input
GS-2210-8T2S	8	2	--	--	AC 100~240V, 50/60Hz
GS-2210-16T2S	16	2	--	--	
GS-2210-24T2S	24	2	--	--	
GS-2210-8P2S	8	2	8at	120w	
GS-2210-16P2S	16	2	16at	240w	
GS-2210-24P2S	24	2	24at	260w	

UNI-NMS Remote Management Solution

The GS-2210 series supports PLANET's Universal Network Management System (UNI-NMS) helping IT staff by remotely managing all network devices and monitoring PDs' operational statuses. Thus, they're designed for both the enterprises and industries where deployments of PDs can be as remote as possible, without having to go to the actual location once a bug or faulty condition is found. With the UNI-NMS, all kinds of businesses can now be speedily and efficiently managed from one platform.

Layer 2 Features

- Complies with the IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z Gigabit Ethernet standard
- Prevents packet loss flow control
  - IEEE 802.3x pause frame flow control in full-duplex mode
  - Back pressure flow control in half-duplex mode
- High performance Store-and-Forward architecture, broadcast storm control, port loopback detection
- 8K MAC address table, automatic source address learning and aging
- Supports VLAN
  - IEEE 802.1Q tag-based VLAN
- Supports Link Aggregation
  - Maximum 8 trunk groups, up to 8 ports per trunk group
  - Cisco ether-channel (static trunk)
- Port mirroring to monitor the incoming or outgoing traffic on a particular port (many-to-1)
- Provides port mirror (many-to-1)

Quality of Service

- 8 priority queues on all switch ports
- Support for strict priority and WRR (Weighted Round Robin) CoS policies
- Traffic classification
  - IEEE 802.1p CoS/ToS
  - IPv4 DSCP
  - Port-based WRR
- Strict priority and WRR CoS policies

Multicast

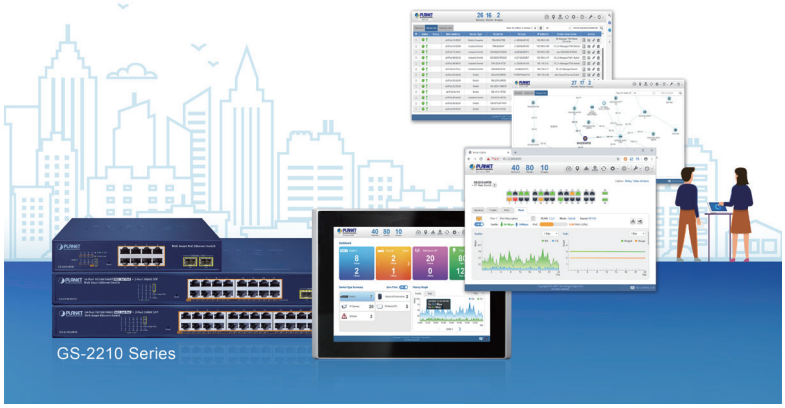
- Supports IPv4 IGMP snooping v1, v2
- IGMP snooping port filtering
  - Flood/Drop
  - DIP Mode

Security

- Supports DHCP snooping

Management

- Management IP for IPv4
- Switch Management Interface
  - Telnet Command Line Interface
  - Web switch management
- BOOTP and DHCP for IP address assignment
- Cable diagnostics to detect the cable connection and the approximate location of the cable fault.



- Firmware upload/download via TFTP or HTTP Protocol for IPv4
- Supports ping test function for IP address or domain name
- NTP (Network Time Protocol)
- PLANET Smart Discovery Utility for deployment management
- PLANET NMS for deployment management
- PLANET NMSViewerPro for deployment management

Power over Ethernet

- Complies with IEEE 802.3at/af Power over Ethernet Plus
- Up to 24 ports of IEEE 802.3af/802.3at devices powered
- Supports PoE power up to 32 watts for each PoE port
- Maximum 120~260-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100 meters in standard mode and 250m in extend mode
- PoE management
  - Total PoE power budget control
  - Per port PoE function enable/disable
  - PoE port power feeding priority
  - Per PoE port power limitation
  - PD classification detection
- Intelligent PoE features
  - PD alive check
  - PoE schedule

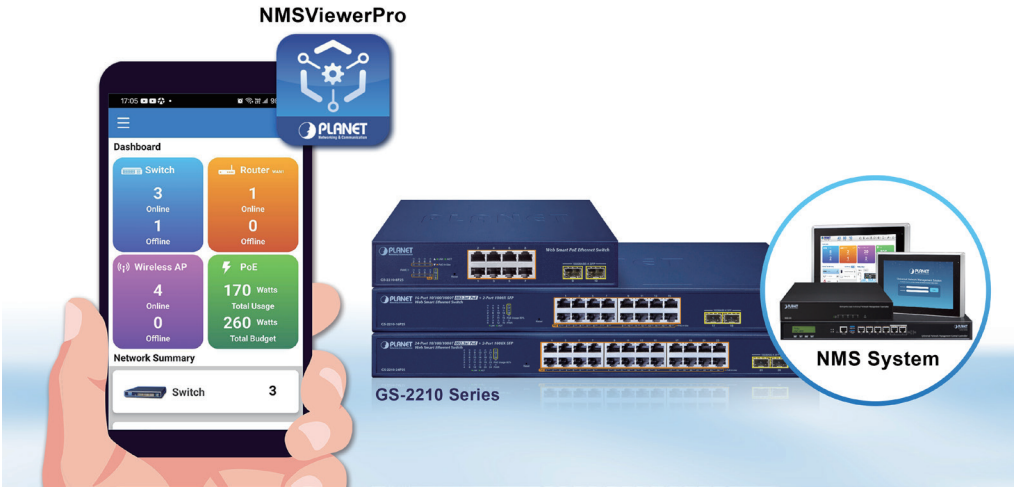
Powerful NMSViewerPro Solution that Meets Evolving Network Management Challenges

The GS-2210 Web Smart Switch series, known for such features as QoS, Link aggregation, PoE, VLANs, IGMP, and so on, provides an eye-catching feature called NMS developed by PLANET to easily and remotely manage and monitor network devices in the local environment from mobile app. This feature not only improves operational convenience, but also ensures users to have real-time control over their network infrastructure. It provides users with an unparalleled experience.

The intuitive interface of the local NMSViewerPro allows administrators to easily perform a variety of tasks, including monitoring traffic, setting configuration, troubleshooting, and more. At the same time, PLANET UNI-NMS application provides real-time alerts and notifications, allowing administrators to respond to any emergency situations anytime, anywhere to ensure the stable operation of the network.

The introduction of this feature demonstrates our sensitivity to user needs and our commitment to providing a comprehensive and powerful solution to meet evolving network management challenges. We firmly believe that this feature of supporting local NMSViewerPro will bring users a more efficient and flexible management experience.

PLANET NMS and NMSViewerPro app, which with PLANET's free cloud service, allow users to quickly and easily detect, configure, deploy and manage devices remotely. You can just scan the NMS agent's (NMS-500/NMS-1000V) QR code using the mobile application to easily monitor and control the remote network devices via the private cloud.



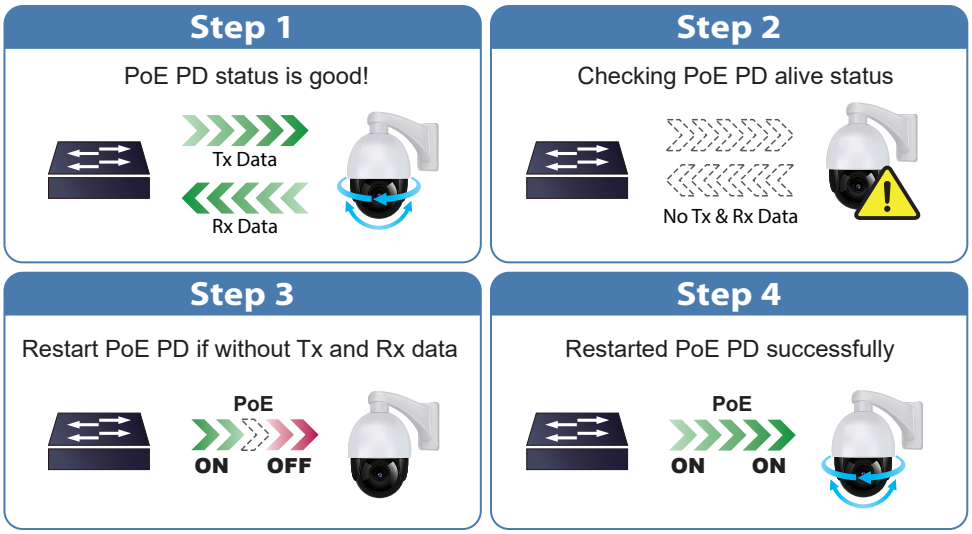
Built-in Unique PoE Functions for Powered Devices Management

As it is the managed PoE switch for surveillance, wireless and VoIP networks, the GS-2210 PoE+ Series features the following special PoE management functions:

- PD alive check
- PoE schedule
- PoE priority
- PoE power limit
- PoE usage monitoring

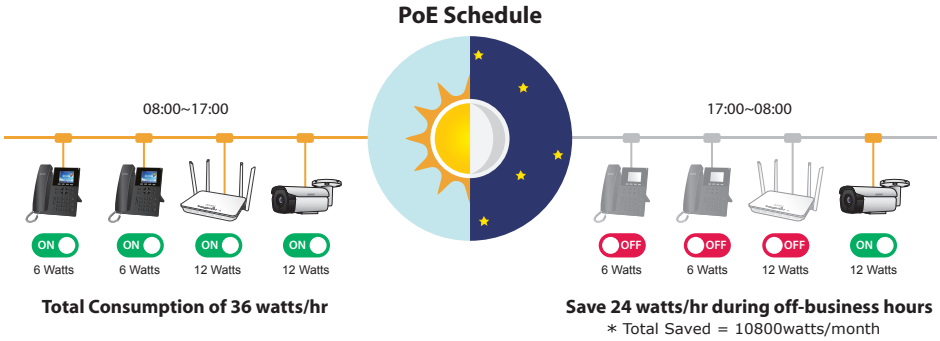
Intelligent Powered Device Alive Check

The GS-2210 PoE+ Series can monitor connected PD status in real time via PD alive check function. Once the PD stops working and responding, the GS-2210 PoE+ Series will resume the PoE power and bring the PD back to work. It will greatly enhance the network reliability through the PoE port resetting the PD's power source and reducing administrator management burden.



PoE Schedule for Energy Savings

Under the trend of energy savings worldwide and contributing to environmental protection, the GS-2210 PoE+ Series can effectively control the power supply besides its capability of giving high watts power. The **"PoE schedule"** function helps you to enable or disable PoE power feeding for each PoE port during specified time intervals and it is a powerful function to help SMBs or enterprises save power and money. It also increases security by powering off PDs that should not be in use during non-business hours.



PoE Usage Monitor and Power Control

Through the power usage chart in the web management interface, the GS-2210 PoE+ Series empowers administrators to real-time monitor the power usage status of connected PDs. This capability significantly improves facility management efficiency. Additionally, the switch allows for timely activation or deactivation of PoE ports, providing the ability to power off or reboot connected PDs as needed.