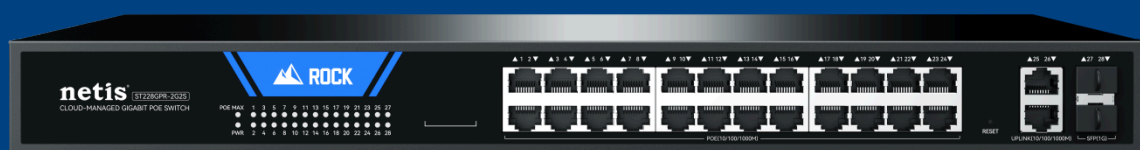# netis®

ST228GPR-2G2S

24x1000Mbps PoE ports and 2x1000Mbps uplink ports and 2 SFP slots

OVERVIEW:

ST228GPR-2G2S is a full Gigabit cloud-managed switch designed to meet the needs of modern enterprise-level network environments. It supports the IEEE 802.3af/at PoE power supply standard, capable of providing a stable power supply for devices such as wireless access points (APs) and security cameras, ensuring uninterrupted operation of wireless coverage and monitoring systems. It is suitable for various application scenarios such as campuses, hotels, and enterprise campuses.

KEY FEATURES:

- Ports: 24*10/100/1000 Mbps adaptive POE ports and 2*10/100/1000 Mbps Uplink ports and 2 SFP slots.
- POE Standards: Supports IEEE 802.3af/at standards,compatible with powered devices (PD) that meet IEEE 802.3af/at.
- Auto MDI/MDI-X: All ports support auto MDI/MDI-X function.
- Flow Control: Supports IEEE 802.3X full-duplex flow control and Backpressure half-duplex flow control.
- Forwarding: All ports support line-speed forwarding.
- MAC Learning: Supports automatic MAC address learning and aging.
- Power: Built-in 400W power supply.
- Support BeeWiFi application;anytime, anywhere management network
- POE port Restart/Port Rate Limiting/Loop Prevention/Custom Port Configuration/Scheduled Port Restart/Port Isolation/VLAN Configuration/Storm Control/Cable Detection/Port-based Extended Transmission/Port aggregation/Optical Fiber Port Aggregation
- Integrated with professional lightning protection circuits, effectively reducing damage from lightning strikes, Supports 6Kv lightning protection design.

SPECIFICATION:

LED Indicators	
Power Indicator	Lights up when the device is powered on.
Port Indicator (Link/ACT) POE MAX Indicator	Lights up when the port link is normal; Flashes when data is being transferred Lights up when the PoE power supply exceeds 90% of 375W
HARDWARE	
Chipset	EN8853C+EN8808Q+EN8804F+TMI7608R
Button	1* Reset
Ports	24*1000Mbps POE ports 2*1000Mbps uplink ports 2 *Gigabit SFP slots
Backplane Bandwidth	56Gbps
MAC Address Table	8K
Input Power	100-240V~ 50/60Hz
Power Supply	400W
Maximum POE Output Power	375W

Network Media & Transmission Distance	1000BASE-T: UTP category 5, 5e, 6 or above cable (≤ 100m) 100Base-TX: UTP category 5, 5e, 6 Category 5 (Cat5) or higher UTP/STP cables (≤100m) 10Base-TX: UTP category Category 6 (Cat6) or higher UTP/STP cables (≤250m) Tips：The actual transmission distance is related to the connected terminal/network cable type and condition; it is recommended to use Category 6 cable preferentially.

Software

Basic Functions	- Complies with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards - Compatible with IEEE 802.3af/at compliant powered devices (PD) - Compatible with certified non-standard powered devices (PD) - Supports store-and-forward switching - Supports full power output - Supports automatic MAC address learning and aging - Extended cable transmission,supports long-distance monitoring power supply - Supports IEEE 802.3X full-duplex flow control and Backpressure half-duplex flow control
Ethernet Protocols and Standards	- IEEE 802.3 10BASE-T Ethernet - IEEE 802.3i 10BASE-T Ethernet - IEEE 802.3u 100BASE-TX Fast Ethernet - IEEE 802.3ab 1000BASE-T Gigabit Ethernet - IEEE 802.3af/at, Power over Ethernet - IEEE 802.3x Flow Control
Local management function	System Info IP Settings Account Settings Port Settings IGMP Snooping Aggregation management Loopback protection Port mirroring Speed Limit Jumbo Frame EEE Config SNMP EEE Config Spanning Tree LLDP Config LLDP Neighbor QOS MTU VLAN 802.1Q VLAN MAC Manage Storm Control Flow monitoring Cable Diagnostics

	DHCP Snooping System upgrade Ping Tool Backup and Restore System Reset Save Settings System Reboot
Cloud management function	Storm Control Loop Prevention Port Isolation Automatic extension Anti-spoofing AI watchdog VLAN Cable Detection Rebooting device Speed Limit Port Scheduled Reboot POE Switch Port Status Port Rate Statistic Port Power Statistic

Environmental Requirements

Temperature	● Operating Temperature:0℃ ~ 40℃(32 °F ~104°F) ● Storage Temperature:-20℃ ~ 70℃(-4 °F ~158°F)
Humidity	● Operating Humidity:10% ~ 90% RH(non-condensing) ● Storage Humidity:5% ~ 90% RH(non-condensing)

Physical Dimensions

Dimensions (W x D x H)	440mmx205mmx44mm(17.32x8.07x1.73 in)

Packaging and Transportation

Protective Packing	EPE protection

Others

Stacking Limit	Maximum of 4 layers when fully packaged
Humidity	5%～90% RH(non-condensing)
Storage Temperature	-20℃ ~ 70℃(-4 °F ~158°F),with the most suitable storage condition being room temperature considering humidity
Storage Precautions	Store in a clean,ventilated environment free from corrosive gases,flammable,explosive,and other hazardous chemicals.Keep away from heat sources and sources of strong mechanical vibration
Storage Period	Under the above conditions,the product can be stored for one year.It is recommended to re-inspect and test the product after two years before use