



■ — **GT-SG-2252-4GE-PE**

PRODUCT OVERVIEW

The GT-SG-2252-4GE-PE provides 4810/100/1000Mbps RJ45 ports that support 802.3af/at Standard, with a total PoE power supply up to 520W, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras. The switch also comes equipped with 410G SFP slots, expanding your network flexibly. In addition, it provides high performance, enterprise-level QoS, advanced security strategies and rich layer 3 management features. With all these advanced features, the PoE Switch is an ideal choice for small and medium business networking.

PRODUCT FEATURES

- Complies with IEEE802.3af/at Standard;
- Support RJ45 Auto-MDI/MDIX;
- Supports POE Power up to 32W for each PoE port;
- Auto detect power device;
- Remote power and Data feeding up to 100m;
- Flow Control for Full Duplex operation and back pressure for Half Duplex Operation;
- Support Energy-Efficient Ethernet (EEE) function (IEEE802.3az);
- Supports a complete lineup of L3 features, including 802.1Q tag VLAN, Port Mirroring, STP/RSTP/MSTP;
- Link Aggregation Control Protocol and 802.3x Flow Control function;
- Web, CLI (Console Port, Telnet, SSH), SNMP and RMON bring abundant management policies;

PRODUCT SPECIFICATIONS

HARDWARE SPECIFICATION

Model	GT-SG-2252-4GE-PE
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1X, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1d, IEEE 802.1w, IEEE 802.3ad, IEEE802.3af, IEEE802.3at
Interface	4810/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 410G SFP Slots 1 Console Port
Network Media	10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5, 5e cable (≤100m) 1000BASE-T: UTP category 5e, 5 cable (≤100m) 1000BASE-FX: MMF, SMF 1000BASE-X: MMF, SMF

MAC Address Table	32K, Auto-learning, Auto-aging
Jumbo Frame	12K Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	131 Mpps
Switching Capacity	176 Gbps
Packet Buffer	16MB
Dimensions (L*W*H)	440*260*44 mm
Fan Quantity	2
PoE Port	Port1~48
PoE Power on RJ45	Mode A 1/2(+), 3/6(-)
PoE Power Output	Voltage: 52V DC, Power: 32W (MAX)
PoE Power Budget	520W
Power Supply	600W
Input Power Supply	100~240V AC, 50/60Hz
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Difference mode ±4KV, Common mode ±6KV
Certification	CE, FCC Class A
MTBF	>50000 hours
Electrostatic Standard	Contact 6KV, Air 8KV
Green Energy Saving	Support IEEE 802.3az

SOFTWARE SPECIFICATION

Category	Details
System	Basic Info, System Status, User Management, SNTP, Input/Export Configuration, System Upgrade, System Reboot and Factory
IP Configuration	IPv4/IPv6, DHCP Client DHCP Option 82 ping, DNS client
Port Configuration	Port Basic, Port Statistics, Storm Control, Rate-Limit, Port Security, Port Mirror, Port Isolation
Link Aggregation	Load Balance, Static, LACP Up to 8 groups, Up to 8 ports per group
MAC Address	MAC Static Binding, Dynamic Learning, MAC Aging, MAC Filter
VLAN	VLAN Info, VLAN Configuration, VLAN Port Configuration, Voice VLAN, QinQ, Guest-VLAN, GVRP, MVR

ARP	IP Source Guard, ARP Check, Gratuitous-arp, ARP Inspection, DAI, Port IP MAC Binding
DHCP	IPv4/IPv6 DHCP Snooping, DHCP Server, DHCP Relay
STP	STP/MSTP/RSTP, PortFast, Root Guard, BPDU Guard
SNMP	SNMP Community, SNMP View, SNMP TRAP, SNMP (V1, V2C, V3) TELNET/ SSH, TFTP
RMON	RMON (1, 2, 3, 9)
ACL	Standard ACL, IPv6 ACL, Extend ACL, MAC ACL, Expert ACL, Time-range ACL
QOS	QOS Policy, QOS Algorithm, Queue Mapping (DSCP & CoS)
AAA	Tacacs+ Server, Radius Server, 802.1x, MAB
IGMP Snooping	IGMP SNOOPING, IGMP Snooping VLAN, IGMP Snooping (v1, v2, v3)
ERPS	ERPS Configuration, ERPS Mode, ERPS Role
LLDP	LLDP TLV, LLDP Neighbour
Error-Disable	Error-Disable, Loopback-detection
PoE	POE Max Power, POE Port Configuration, PD Alive
Network Tool	Ping/Ping6, Traceroute/Traceroute6, Cable Test
Syslog	Syslog Management, Debug Info

ORDERING INFORMATION

Model	product information
GT-SG-2252-4GE-PE	48-Port Gigabit + 4*10G SFP + 1 Console Managed PoE Switch (48-Port PoE, Support 802.3af/ at Standard)