



GT-SG-2252-4GE-PE

PRODUCT OVERVIEW

The GT-SG-2252-4GE-PE provides 48*10/100/1000Mbps RJ45 ports that supports 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 4*10G 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	48*10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 4*10G SFP Slots 1 Console Port



Indicator	PWR, LNK/ACT, PoE
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) 100BASE-FX:MMF,SMF 1000BASE-X: MMF, SMF 10GBASE-X: MMF, SMF
MAC Address Table	32K, Auto-learning, Auto-aging
jumbo frame	12K Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	131Mpps
Switching Capacity	176Gbps
Packet buffer	16MB
Dimensions(L*W*H)	440*260*44mm
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 module±4KV, Common mode±6KV,
Certification	CE、FCC ClassA
MTBF	>50000 hour
Electrostatic standard	Contact 6KV,air 8KV
Green energy saving	Support IEEE 802.3az

SOFTWARE SPECIFICATION

System Status	Basic Info, System Status, User Management,SNTP, Input/Export Configuration, System Upgrade, System Reboot and Factory
IP Configuration	IPV4/IPV6, DHCP Client
Port Configuration	Port Basic, Port Statistics, Storm Control, Rate-Limit, Port Security , Port Mirror, Port Isolation



Link Aggregation	Load Balance, Static, LACP
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)
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+1Console Managed PoE switch (48-Port PoE, Support 802.3af/at Standard)

Ver : 1.0

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