



GT-SG-2228-4GE-PE

PRODUCT OVERVIEW

The GT-SG-2228-4GE-PE provides 24 10/100/1000Mbps RJ45 ports, 2G Combo ports and 2G SFP ports that support 802.3af/at Standard, with a total PoE power supply up to 370W, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras. The switch also comes equipped with 2 SFP slots, expanding your network flexibly. In addition, it provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 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 L2 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;
- Support PD Alive function (the switch port is disconnected will automatically connected);

PRODUCT SPECIFICATIONS

HARDWARE SPECIFICATION

Model	GT-SG-2228-4GE-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	24 10/100/1000 Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 2 10/100/1000 Mbps Combo ports 2 * 100/1000 Mbps SFP Slots 1 Console Port

Indicator	PWR, LNK/ACT, PoE
Network Media	10BASE-T: UTP category 3,4,5 cable ($\leq 100m$) 100BASE-TX: UTP category 5, 5e cable ($\leq 100m$) 1000BASE-T: UTP category 5e, 5 cable ($\leq 100m$) 1000BASE-FX: MMF, SMF 1000BASE-X: MMF, SMF
MAC Address Table	8K, Auto-learning, Auto-aging flow control (802.3x)
Jumbo Frame	9216 Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	41.66 Mpps
Switching Capacity	56 Gbps
Dimensions (L*W*H)	440*232*45 mm
Fan Quantity	2
PoE Port	Port1~24
PoE Power on RJ45	Mode A 1/2(+), 3/6(-)
PoE Power Output	Voltage: 55V DC, Power: 32W (MAX)
PoE Power Budget	370W
Power Supply	390W
Input Power Supply	100~240V AC, 50/60Hz
Operating Temperature	0°C ~ 55°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Common mode $\pm 6KV$, Differential mode $\pm 4KV$
Certification	CE, FCC ClassA
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
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) supports 1K multicast groups
ERPS	ERPS Configuration, ERPS Mode, ERPS Role
LLDP	LLDP TLV, LLDP Neighbour
Error-Disable	Error-Disable, Loopback-detection
ONVIF	ONVIF Detect, ONVIF NLM
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-2228-4GE-PE	24-Port Gigabit + 2G Combo + 2G SFP + 1 Console Managed PoE switch (24-Port PoE, Support 802.3af/at Standard)