GS-1002P-V2

8 Port POE+Gigabit Switch

Agile, safe, and cost-effective Traffic Management Solution



Product Features

- Provide & manage the power of PTZ cameras, IP phones, 11ac wireless AP, IP surveillance, and other powered devices, offering a quick and cost-effective POE network solution for enterprises, hotels, education, and smart building.
- 8 sets of 10/100/1000 Mbps RJ45 copper ports complied with IEEE 802.3at POE, end-span PSE. Remote power feeding up to 100M in standard mode.
- Supports SFP auto-detection and dual speed. The distance can be extended from 550M to 2KM (multi-mode fiber) and up to 10/20/30/40/50/70/120KM (single-mode/WDM fiber), easily realizing ultra-long distance transmission.
- POE management via Web-based interface: remotely check and control POE power budget, POE port function, power feeding priority, POE schedule, per POE port power limitation, and so on.
- Robust QoS & DSCP features: empowering the enterprises to take full advantage of the limited network resources.
- Supports DHCP snooping, STP BPDU, and ARP inspection: prevents from attack and constructs highly-secured network.

Specifications

Hardware Specifications

Copper Port	8x10/100/1000Base-T RJ45 auto-MDI/MDI-X port
SFP/mini-GBIC	2x100/1000Base-X SFP interface
	Supports 100/1000Mbps dual mode and DDM
POE Port	8 ports with 802.3at/af standard
Console	1 x RS-232-to-RJ45 serial port (115200, 8, N, 1)
Switch Architecture	Store-and-Forward
Switch Fabric	20Gpbs/non-blocking
Switch Throughput@64Bytes	14.88Mpps
Address Table	8K entries
Shared Data Buffer	4.1 MB
Flow Control	IEEE 802.3x pause frame for full-duplex
Jumbo Frame	10K bytes
Reset Button	<5 sec: system reboot; >5 sec: factory default
LED	PWR, LNK/ACT, PoE-in-use, 1000, fan alert
ESD Protection	Contact discharge 4V DC; Air discharge 8KV DC

Power over Ethernet

PoE Standard	IEEE 802.3af/802.3at PoE/PSE
PoE Power Supply Type	End-span
PoE Power Output	Per port 56V DC, 30W (max.)
Power Pin Assignment	1/2(-), 3/6(+)
PoE Power Budget	140W (max.) @25°C; 120W (max.) @50°C
PoE Ability PD@9W	8 units
PoE Ability PD@15W	8 units
PoE Ability PD@30W	5 units

Physical Properties

Dimensions (WDH)	280x180x44mm (1U height)
Weight	1.6Kg
Material	Metal
Operation Temperature	0 ~ 50°C
Storage Temperature	-20 ~ 70°C
Relative Humidity	5 ~ 95% (non-condensing)

Specifications

Layer 2 Functions

Port Mirroring	TX/RX/both; Many-to-1 monitor
VLAN	IEEE 802.1Q tagged-based VLAN IEEE 802.1ad Q-in-Q tunneling Voice VLAN, Protocol VLAN, Private VLAN (Protected port) GVRP Up to 256 VLAN groups, out of 4094 VLAN IDs
Link Aggregation	IEEE 802.3ad LACP / static trunk Supports1 trunk groups with 2 ports per trunk
Spanning Tree Protocol	STP · IEEE 802.1D RSTP · IEEE 802.1w MSTP · IEEE 802.1s
IGMP Snooping	IGMP (v2/v3) Snooping, IGMP Querier, Up to 256 multicast groups
MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups
Access Control List	IPv4/IPv6 IP-based ACL/MAC-based ACL
QoS	8 mapping ID to 8 level priority queues: - Port number - 802.1p priority - 802.1Q VLAN tag - DSCP field in IP packet Traffic classification based, strict priority & WRR
Security	IEEE 80.21X port-based authentication RADIUS/TACACS+ user access authentication Built-in RADIUS client to co-operate with RADIUS server IP-MAC port binding & MAC filtering & static MAC address DHCP snooping & DHCP Option82 STP BPDU guard, BPDU filtering and BPDU forwarding DoS attack prevention ARP inspection IP source guard

Power Supply

Power Supply	100~240V AC; 50/60Hz , 2.5A, auto-sensing
Power Consumption/Dissipation	170W (max.)/580 BTU

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