

24-Port Gigabit with 4 Shared SFP PoE Managed Switch**Product Description**

G3224P is Ethernet PoE Switch designed to build reliable and smart wireless network. Providing 24-10/100/1000 Base-T Ethernet ports and 4 SFP slots for high-access-capability. 1-24 port supports IEEE802.3af PoE(15.4W) or 802.3at PoE+(30W) power supply, and PoE output full power up to 370W. Providing DC power and data transmission for AP, IP Phone and IP Camera through category 5 twisted pair. Providing safer protection system, excellent QoS strategy, rich VLAN function and stronger maintenance and management, which is a safe and easy PoE switch for your ideal choice.



Features

■ Interface

- 24 10/100/1000 Mbps Ethernet ports
- 4 1000Base-X SFP ports
- 1-24 port supports IEEE 802.3af PoE(15.4W) or 802.3at PoE+(30W) power supply

■ PoE over Ethernet

- Complies with IEEE 802.3af/at Power over Ethernet End-Span PSE
- Up to 24 IEEE 802.3af/12 IEEE 802.3at devices powered
- Supports PoE Power up to 30 watts for per PoE ports
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Adopts category 5e cable, power supply and transfer distance up to 150m

■ Hardware security protection

Support ARP intrusion detection to prevent Hacker or "man in the middle" attack caused by ARP spoof, discarding the illegal ARP spoofing message which is inconformity with DHCP Snooping dynamic-binding-table or manual static-binding-table. Support IP Source Check, preventing Invalid address from MAC deceive,IP deceive, MAC/IP deceive and the deuterogenic DoS attack. Plus, DHCP Snooping function can completely eradicate the private DHCP servers to ensure the authenticity and consistency of DHCP environment.

■ Service security

Effectively prevent MAC-base attacks. Permit or restrict flow based on MAC address, or setup the maximum number of MAC address by port-permitted, allow static allocation by administrator for MAC address on appointed port or switch dynamic learning.

■ User security

Support the user authentication by 802.1X and MAC authentication, permitting the access from legal user and refusing the access from illegal user. Reduce the harm to networking security by checking and controlling the user` legality.

■ Reliable industrial grade design

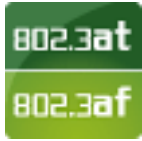
Quality: Mean Time Between Failures--MTBF \geq 100,000 hours.

Stability: 64 byte packet, time delay less than 10 μ s, packet loss ratio: 0.

Restorability: when network is not stable or error occurs, reboot time . less than 10s.

Normal operating: operating in -10 $^{\circ}$ C to 45 $^{\circ}$ C, device service time over 3 years.

Key Features



supports IEEE 802.3af PoE(15.4W) and 802.3at PoE+(30W) standard



4 SFP slots for high-access-capability.



Support VLAN(4K) based on ports and standard. Support Voice VLAN, VLAN Mapping, VLAN VPN (QinQ)



Support message transmission for ports and limitation of speed

Applications

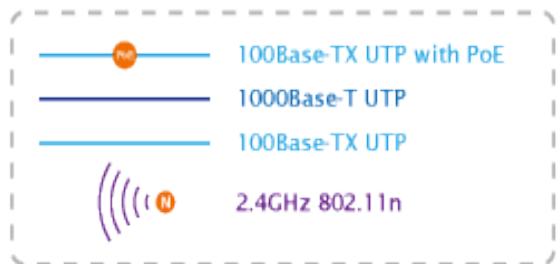
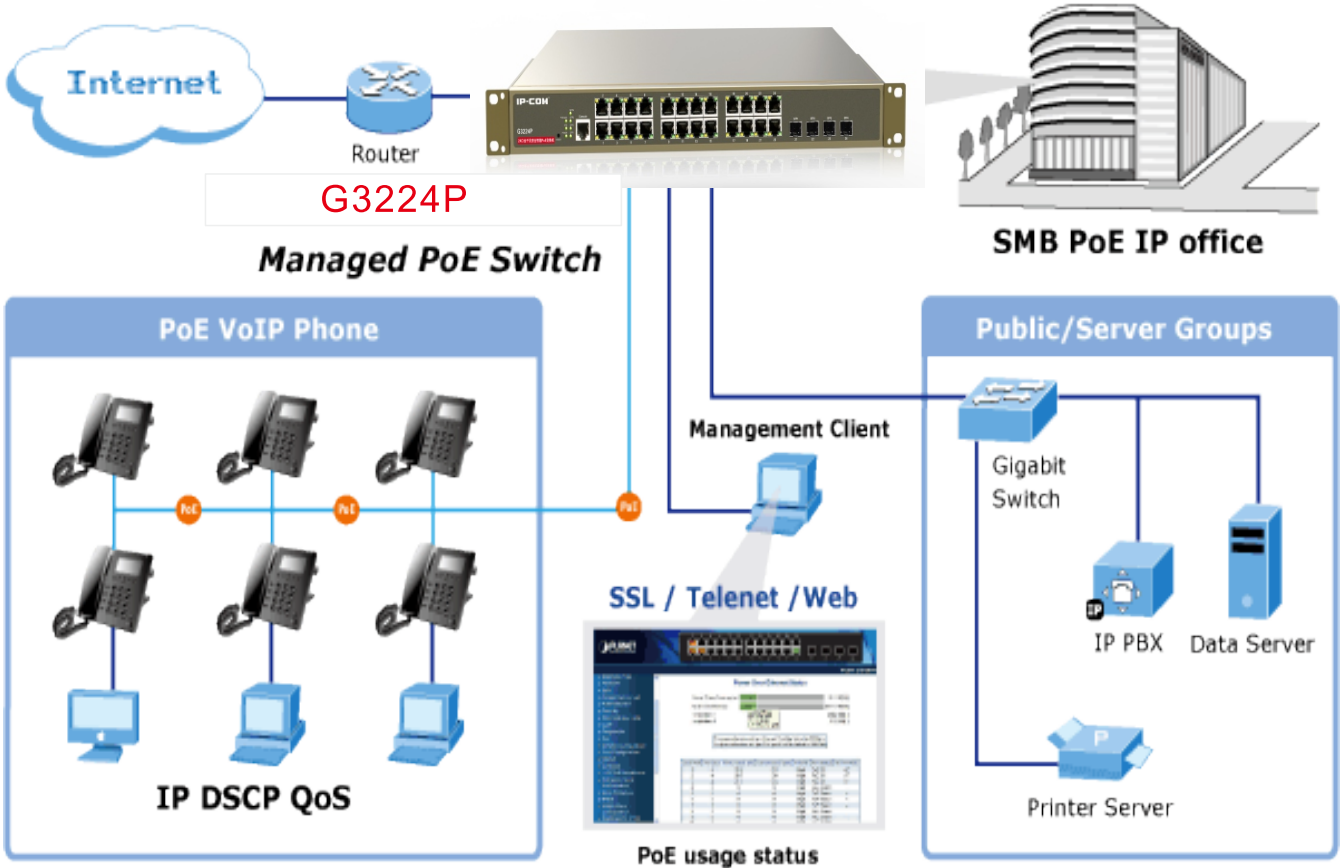
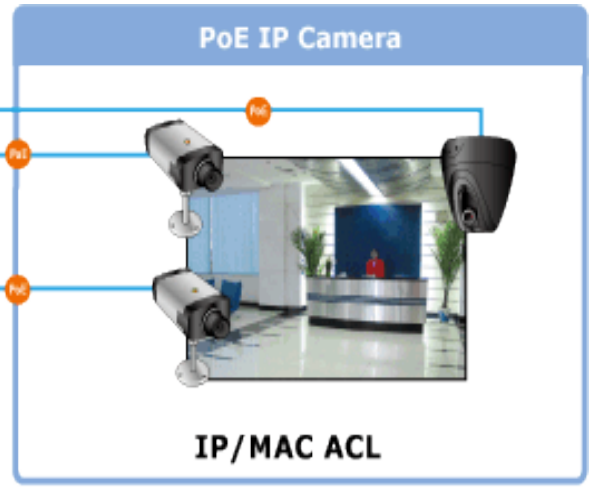
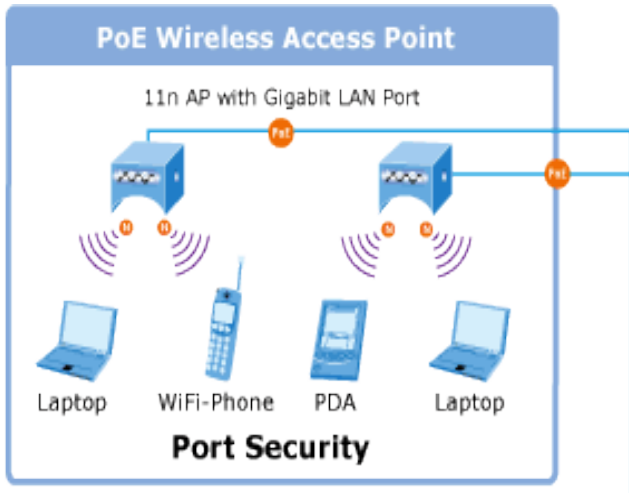
Hardware Features	
Standards Compliance	IEEE 802.3、 IEEE 802.3u、 IEEE 802.3z、 IEEE 802.3ab、 IEEE 802.3x、 IEEE 802.1D、 IEEE 802.3af、 IEEE 802.3at
Layer 2 switch	All ports support linear forward; Packet forwarding speed: 35.7Mpps
MTBF	≥ 100 thousand hours
Store-and-forward	Yes
Switch Fabric	56Gbit/s
MAC Address Table	8K MAC ; Support set port MAC address learning maximum number ;
Fixed port	24 10/100/1000Base-T ports (Data/PoE) 4 10/100/1000 Base-X SFP ports (Combo)
Optional modules	SFP optical fiber module with single port
Power supply module	Supply 24 RJ-45 802.3af (15.4W) /12 RJ-45 802.3at (30W) Power Pin Assignment: 1/2(+), 3/6(-)
Input Voltage	AC: 110-240V ; 50/60Hz
Dimension (W x D x H mm)	440*284*44
Weight	<5kg
Consumption	Power consumption: <450W PoE Power Budget: 370 Watts
Operating Temperature	0~45 Degree C
Operating Humidity	10%~95%(Non-condensing)

Specification

Software Specification

Port Trunking	Support LACP ; Support manual polymerization ; 12 groups of port trunk support, up to 16 GE port per trunk group ;
PoE supply management	PoE port setting and power priority supply setting ; PoE over temperature protection ; Smart graphical management and detection of PD equipment, (priority, port state, power allocation, PD equipment state), intelligent management power of PD equipment ;
Layer 2 ring network	Conform to STP/RSTP/MSTP ; Support equipment to prevent the loop ;
VLAN	Support port-based VLAN (4K) 、 protocol-based VLAN Compliant with Voice VLAN、 VLAN Mapping、 VLAN VPN (QinQ) , flexible QinQ
DHCP	DHCP Snooping、 DHCP Relay/Client/Server ; DHCP Snooping Option82/DHCP Relay Option82
Multicast	Support IGMP Snooping、 multicast VLAN、 IGMP V1/V2、 PIM-SM/ PIM-DM/MSDP
Mirroring	N:1 port mirror、 flow mirror、 RSPAN (Remote port mirror)
ACL	Support L2 ~ L4 (Layer 4) packet filter function, supply source of based on MAC address, the destination MAC address, the source IP address, destination IP address, TCP/UDP port number and protocol type, VLAN and illegal frame filtering ; Support based on Time (Time Range) of the ACL ;
QoS	Support for the rate at which port to receive a message and send a message to limit the speed ; Support message to redirect, the function of the CAR ; Support 8 port output queue ; Support port queue scheduling (SP, WRR) ; Supports message of 802.1 p/DSCP priority ; Supporting QoS Profile management way, allow users to customize the QoS service package ;
Security features	User classification management, and password protection ; IEEE 802.1 X authentication ; Centralized MAC address authentication ; Protection of the ARP, IP source address intrusion detection ; Support SSH2.0, port isolation ;
Management and maintenance	XModem/FTP/TFTP load to upgrade ; Support command line interface (CLI), Telnet, the configurations of the Console port ; Support the SNMP v1 / v2, v3 and WEB network management ; Support RMON (Remote Monitoring) 1,2,3,9 group MIB ; Support system logs, hierarchical alarm, debugging information output ; Support the PING, Traceroute, Multicast Traceroute ; Support Telnet remote maintenance ; Support VCT virtual link detection ; Support DLDP single link detection ; Support port loopback detection ;

Applications



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