

IP24GESP2

IP ETHERNET SWITCH

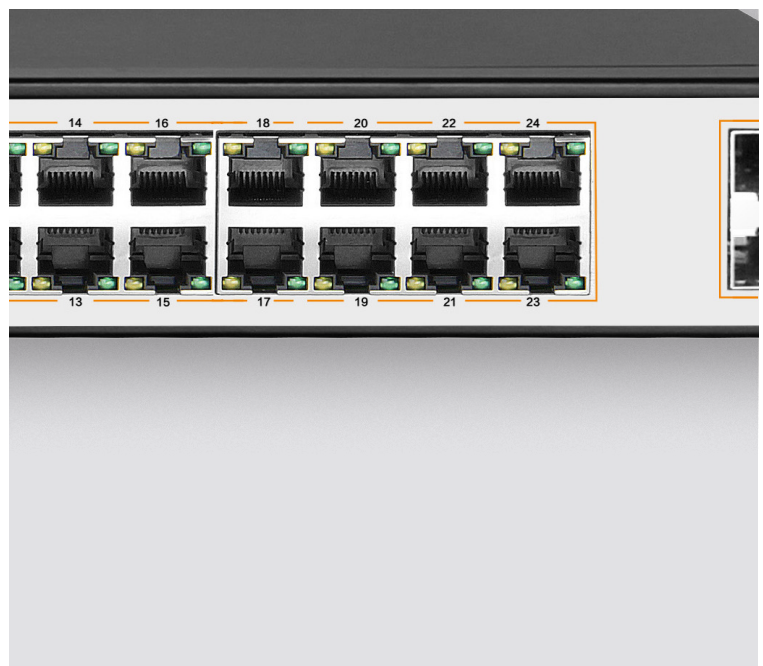
24 Port Gigabit Layer 2 Managed PoE Switch



Key Features

- 6KV lightning protection
- Short cut functions: AI VLAN, AI Extend 1~8 port 250m PoE distance, AI PoE, AI QoS (video priority)
- Support based on the port number, IP address, MAC address and user access restrictions
- Supports PoE and settings for PoE port priority
- Supports L2 (Layer 2) ~ L4 (Layer 4) packet filtering
- Supports multi-cast suppression
- Supports loop protection, root bridge protection, TC protection, BPDU protection and BPDU filtering
- Supports broadcast suppression
- Supports unknown unicast suppression
- Supports static aggregation
- Supports dynamic aggregation
- Supports IP, MAC and hybrid load balancing modes
- Supports up to 32 aggregation groups
- Supports Web network management (HTTP, HTTPS, SSL, V3)
- Supports SNMP V1/V2/V3
- Supports LLDP, RMON
- Supports ARP protection, IP source protection, DoS protection
- Supports Ping, Tracert detection and cable detection

The Genie **IP24GESP2** is a 24 port managed PoE switch designed for security transmission and Wi-Fi coverage. It can meet the PoE power supply requirements of Wi-Fi AP, IP camera, Wi-Fi bridge, IP phone and other types of equipment. The product adopts a new generation of high-performance hardware and software platforms to provide flexible, cost-effective access and Gigabit uplink ports for complete security protection. It's easy to manage and maintain, and meet user requirements for network equipment for high security but at a low-cost. The **IP24GESP2** is applicable to network access, aggregation, and core application scenarios of many applications.



Specification

Software

Protocol Standard	<p>IEEE 802.3: Ethernet Media Access Control (MAC) Protocol</p> <p>IEEE 802.3i: 10BASE-T Ethernet</p> <p>IEEE 802.3u: 100BASE-TX Fast Ethernet</p> <p>IEEE 802.3ab: 1000BASE-T Gigabit Ethernet</p> <p>IEEE 802.3z: 1000BASE-X Gigabit Ethernet (fiber)</p> <p>IEEE 802.3ad: Standard method for performing link aggregation</p> <p>IEEE 802.3x: Flow control</p> <p>IEEE 802.1p: LAN Layer 2 QoS/Cos protocol for traffic priority (multi-cast filtering)</p> <p>IEEE 802.1q: VLAN</p> <p>IEEE 802.1d: STP Spanning tree</p> <p>IEEE 802.1s: MSTP Spanning tree</p> <p>IEEE 802.1w: RSTP Spanning tree</p> <p>IEEE 802.3af</p> <p>IEEE 802.3at</p>	Access Control (ACL)	<p>Supports L2 (Layer 2) ~ L4 (Layer 4) packet filtering</p> <p>Supports port mirroring, port redirection, flow rate limiting, QoS re-marking</p>
Shortcut Function	<p>One key AI VLAN</p> <p>One key AI Extend (1-8 Port 250m PoE distance)</p> <p>One key AI PoE</p> <p>One key QoS (Video priority)</p>	Quality of Service (QoS)	<p>Supports 8 port queue</p> <p>Supports port priority, 802.1p priority, DSCP priority</p>
DHCP VLAN	<p>Supports DHCP Snooping</p> <p>Supports 4K VLAN</p> <p>Supports 802.1Q VLAN, MAC VLAN ,IP VLAN</p> <p>Voice VLAN</p>	Spanning Tree	<p>Supports STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s) protocol</p> <p>Supports loop protection, root bridge protection, TC protection, BPDU protection, BPDU filtering</p>
MAC Address Table	<p>Comply the IEEE 802.1d standard, Supports MAC address learning and aging automatically. Supports static, dynamic, filter address table</p>	Multicast	<p>Supports IGMP v1/v2 Snooping</p> <p>Supports fast leave mechanism</p> <p>Supports multicast VLAN</p> <p>Supports multicast filtering, packet statistics, and unknown multicast discards.</p>
Safety	<p>Password protection</p> <p>Supports based on the port number, IP address, MAC address restrictions on user access</p> <p>Supports HTTPS, SSL V3, TLS V1, SSH V1/V2</p> <p>Supports IP-MAC-PORT ternary binding</p> <p>Supports ARP protection, IP source protection, DoS protection</p> <p>Supports DHCP Snooping, DHCP attack protection</p> <p>Supports 802.1X certificated, AAA</p> <p>Supports port security, port isolation</p> <p>Supports CPU protection</p>	Storm Suppression	<p>Supports multicast suppression</p> <p>Supports broadcast suppression</p> <p>Supports unknown unicast suppression</p> <p>Supports static aggregation</p> <p>Supports dynamic aggregation</p> <p>Supports IP, MAC, and hybrid load balancing modes</p> <p>Supports up to 32 aggregation groups</p>
PoE Management	<p>Supports PoE power limit</p> <p>Supports PoE chip status view</p> <p>Supports setting PoE port priority</p> <p>Supports setting PoE power supply time period</p>	IPv6	<p>Supports IPv6 Ping, IPv6 Tracert, IPv6 Telnet</p> <p>Supports IPv6 SSH, IPv6 SSL</p>
		Management and Maintenance	<p>Supports WEB network management (HTTP, HTTPS, SSL V3)</p> <p>Supports CLI (Telnet, SSH V1/V2, local serial port)</p> <p>Support SNMP V1/V2/V3</p> <p>Supports LLDP, RMON</p> <p>Supports ARP protection, IP source protection, DoS protection</p> <p>Supports CPU monitoring, memory monitoring</p> <p>Supports system log, grading warning</p> <p>Supports Ping, Tracert detection, cable detection</p>

Specification

Hardware

Network Standard	IEEE 802.3i IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3af IEEE 802.3at
Port	24 10/100/1000Mbps RJ45 port 2 gigabit SFP 1 Console
PoE	24 10/100/1000Mbps RJ45 port support PoE+ Max 150W Single port max 46W
LED's	26 Link/Act LED's 24 PoE LED's 1 SYS LED 1 Power LED
Performance	Forwarding mode: Store and forward Bandwidth: 52Gbps Packet forwarding rate: 38.688Mpps 8K MAC address table
Lightning Protection	6KV
Input	100–240V/50–60Hz
Dimensions	440 × 180 × 44 mm