

IP16GESP2

IP ETHERNET SWITCH

16 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 **IP16GESP2** is a 16 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 **IP16GESP2** is applicable to network access, aggregation, and core application scenarios of many applications.



Specification

Software

Protocol Standard	IEEE 802.3: Ethernet Media Access Control (MAC) Protocol IEEE 802.3i: 10BASE-T Ethernet IEEE 802.3u: 100BASE-TX Fast Ethernet IEEE 802.3ab: 1000BASE-T Gigabit Ethernet IEEE 802.3z: 1000BASE-X Gigabit Ethernet (fiber) IEEE 802.3ad: Standard method for performing link aggregation IEEE 802.3x: Flow control IEEE 802.1p: LAN Layer 2 QoS/Cos protocol for traffic priority (multi-cast filtering) IEEE 802.1q: VLAN IEEE 802.1d: STP Spanning tree IEEE 802.1s: MSTP Spanning tree IEEE 802.1w: RSTP Spanning tree IEEE 802.3af IEEE 802.3at
Shortcut Function	One key AI VLAN One key AI Extend (1-8 Port 250m PoE distance) One key AI PoE One key QoS (Video priority)
DHCP	Supports DHCP Snooping
VLAN	Supports 4K VLAN Supports 802.1Q VLAN, MAC VLAN ,IP VLAN Voice VLAN
MAC Address Table	Comply the IEEE 802.1d standard, Supports MAC address learning and aging automatically. Supports static, dynamic, filter address table
Safety	Password protection Supports based on the port number, IP address, MAC address restrictions on user access Supports HTTPS, SSL V3, TLS V1, SSH V1/V2 Supports IP-MAC-PORT ternary binding Supports ARP protection, IP source protection, DoS protection Supports DHCP Snooping, DHCP attack protection Supports 802.1X certificated, AAA Supports port security, port isolation Supports CPU protection
PoE Management	Supports PoE power limit Supports PoE chip status view Supports setting PoE port priority Supports setting PoE power supply time period

Access Control (ACL)	Supports L2 (Layer 2) ~ L4 (Layer 4) packet filtering Supports port mirroring, port redirection, flow rate limiting, QoS re-marking
Quality of Service (QoS)	Supports 8 port queue Supports port priority, 802.1p priority, DSCP priority
Spanning Tree	Supports STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s) protocol Supports loop protection, root bridge protection, TC protection, BPDU protection, BPDU filtering
Multicast	Supports IGMP v1/v2 Snooping Supports fast leave mechanism Supports multicast VLAN Supports multicast filtering, packet statistics, and unknown multicast discards.
Storm Suppression	Supports multi-cast suppression 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
IPv6	Supports IPv6 Ping, IPv6 Tracert, IPv6 Telnet Supports IPv6 SSH, IPv6 SSL
Management and Maintenance	Supports Web network management (HTTP, HTTPS, SSL V3) Supports CLI (Telnet, SSH V1/V2, local serial port) Supports SNMP V1/V2/V3 Supports LLDP, RMON Supports ARP protection, IP source protection, DoS protection Supports CPU monitoring, memory monitoring Supports system log, grading warning Supports Ping, Tracert detection, cable detection

Specification

Hardware

Network Standard	IEEE 802.3i IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3af IEEE 802.3at
Port	16 10/100/1000Mbps RJ45 port 2 gigabit SFP 1 Console
PoE	16 10/100/1000Mbps RJ45 port support PoE+ Max 150W Single port max 46W
LED's	18 Link/Act LED'S 16 PoE LED's 1 SYS LED 1 Power LED
Performance	Forwarding mode: Store and forward Bandwidth: 36Gbps Packet forwarding rate: 23.8Mpps 8K MAC address table
Lightning Protection	6KV
Input	100–240V/50–60Hz
Dimensions	440 × 180 × 44 mm