

Product Description

The 20-Ports Gigabit Managed PoE Switch . It adopts High-Quality and High-Speed Network IC and the most stable PoE Chip. The PoE port meets the IEEE802.3af or IEEE802.3at standard. This model can provide seamless connection for 10/100/1000M Ethernet, and the PoE power port can automatically detect and power the powered devices that comply with the IEEE802.3af or IEEE802.3at standards. The Non-PoE devices are forcibly powered and only transmit data.

Features

- ❖ 16 x 10/100/1000Mbps auto-sensing PoE Ports, 2 x 10/100/1000Mbps Ethernet Uplink Ports, 2 x Gigabit SFP Uplink Ports, 1 x Console Port
- ❖ Support IEEE802.3/IEEE802.3i/IEEE802.3u/IEEE802.3ab/IEEE802.3z
- ❖ Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w)
- ❖ Ethernet port supports 10/100/1000M adaptive
- ❖ Panel indicator monitoring the status and help failure analysis
- ❖ Fanless design, Natural Cooling, 1U Rack Mount
- ❖ Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication
- ❖ Support WEB, TELNET, CLI, SSH, SNMP, RMON management
- ❖ Support PoE Power Management, PoE watch dog
- ❖ Lightning Protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 15KV

Application Environment

- ❖ Metropolitan area fiber broadband network: telecommunications, cable TV, network system integration, etc., network operators.
- ❖ Broadband private network: Suitable for financial, government, oil, railway, electric power, public security,

transportation, education and other industries.

- ❖ Multimedia transmission: image, voice, data integrated transmission, suitable for remote teaching, conference TV, videophone and other applications.
- ❖ Real-time monitoring: simultaneous transmission of real-time control signals, images, data

Technical parameters

| Input/output Port | |
|------------------------|---|
| AC INPUT | AC100-240V , 50/60Hz |
| Ethernet Port | 16 * 10/100/1000Mbps PoE Port 2* 10/100/1000Mbps Uplink Port 2* 1000Mbps SFP Port 1 * RJ45 Console Port |
| Performance | |
| Bandwidth | 40Gbps |
| Packet Forwarding rate | 29.76Mpps |
| DDR SDRAM | 128MB |
| Flash Memory | 16MB |
| Packet Buffer Memory | 4M |
| MAC Address | 8K |
| Jumbo frame | 9.6Kbytes |
| VLANs | 4096 |
| Standard | |
| Network Protocols | IEEE 802.3 : Ethernet 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 (optical fiber) IEEE 802.3ad : Standard method for performing link aggregation IEEE 802.3x : Flow control IEEE 802.1ab : LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1p : LAN Layer QoS/CoS Protocol Traffic Prioritization(Multicast filtering function) IEEE 802.1q : VLAN Bridge Operation IEEE 802.1x : Client/Server Access Control and Authentication Protocol IEEE 802.1d : STP IEEE 802.1s : MSTP IEEE 802.1w : RSTP |

PoE Gigabit Switch (GZM-1000-2F16P2U1C)
10/100/1000Mbps Commercial Managed PoE Switch
2SFP+2 UTP+16PoE +1ConsolePort, Integral Power supply



| | |
|--------------------------------|---|
| PoE protocol | IEEE802.3af (15.4 W) IEEE802.3at (30 W) |
| Industry Standard | EMI: FCC Part 15 CISPR (EN55032) class A EMS: EN61000-4-2 (ESD)、 EN61000-4-4 (EFT)、 EN61000-4-5 (Surge) |
| Network Media | 10BASE-T: Cat3、4、5 or above UTP(≤100 M) 100BASE-TX: Cat5 or above UTP(≤100 M) 1000BASE-TX: Cat5 or above UTP(≤100 M) |
| Fiber Medium | Multi-mode Fiber: 50/125、62.5/125、100/140um Single-mode Fiber: 8/125、8.7/125、9/125、10/125um |
| Certification | |
| Safety Certificate | CE、FCC、RoHS |
| Environmental standards | |
| Working Environment | Operating temperature: -20~50°C Storage temperature: -40~85°C Operating Humidity: 10%~90%, No condensation Storage Humidity: 5%~90%, No condensation Working height: Up to 10,000 feet Storage height: Up to 10,000 feet |
| Function indication | |
| Indicator | PWR, SYS, SW, PoE/ACT, Link/ACT |
| PWR (Power Indicator) | Lighting: Powered Un-Light: No Power |
| SYS (System Indicator) | Flashing: System Start-up Lighting: System Running |
| SW (DIP Indicator) | Lighting: VLAN Un-Light: Default Flashing: Extend |
| PoE/ACT | Lighting: PoE on Un-Light: PoE off |
| Link/ACT | Lighting: Link connection Flashing: Data transmission Un-Light: Link disconnect |
| DIP Function | VLAN、Default、Extend、Reset |
| VLAN | 1-16 ports are isolated from each other, and the PoE Watchdog function is open (hardware takes precedence over software) |
| Default | All ports can communicate with each other, PoE Watchdog is closed |

| | |
|--------------------------------|---|
| Extend | 13-16 Port: Supports 250m link extension at a rate of 10M, other ports normal, PoE Watchdog open (hardware takes precedence over software) |
| Reset | Short press restart, long press 5 seconds to restore factory Settings |
| Physical specifications | |
| Product Information | Product Dimensions: 440*204*44mm Package Dimensions: 500*290*85mm Product N.W: 2.7KG Product G.W: 3.2KG |
| Packing Information | Carton Dimensions: 520*445*300mm Packing Quantity: 5 台 Packing weight: 17KG |
| Voltage | Input Voltage: AC100-240V/50-60Hz Power supply: 52V5.76A |
| Packing list | 1. Ethernet switch: 1 Set 2. Instruction manual: 1 PCS 3. Certificate, warranty card: 1 PCS 4. Power cord: 1PCS 5. Serial cable: 1PCS 6. Rack ear: 1 Pairs |
| Order Information | |
| GZM-1000-2F16P2U1C | 20 Port Gigabit Managed Ethernet PoE Switch |

Software function

| | |
|----------------|---|
| Basic function | Support hardware watchdog, factory reset, system and port LED |
| | Support global information, statistical information, log information |
| | Support User management, alarm management, configuration management |
| | Support Port rate, duplex, flow control, maximum frame length configuration |
| | Support Port mirroring, port speed limit, port energy saving |
| PoE function | Support PoE time management |
| | Support PoE automatic monitoring / PoE Watchdog |
| | Support PoE port power configuration |
| VLAN | Support 4K VLAN |
| | Support 802.1Q VLAN, baesd on port VLAN |
| | SupportAccess、Trunk、Hybrid VLAN mode |
| | Support GVRP (VLAN registration protocol) |
| | Support MAC VLAN 、 IP VLAN |
| | Support Voice VLAN |

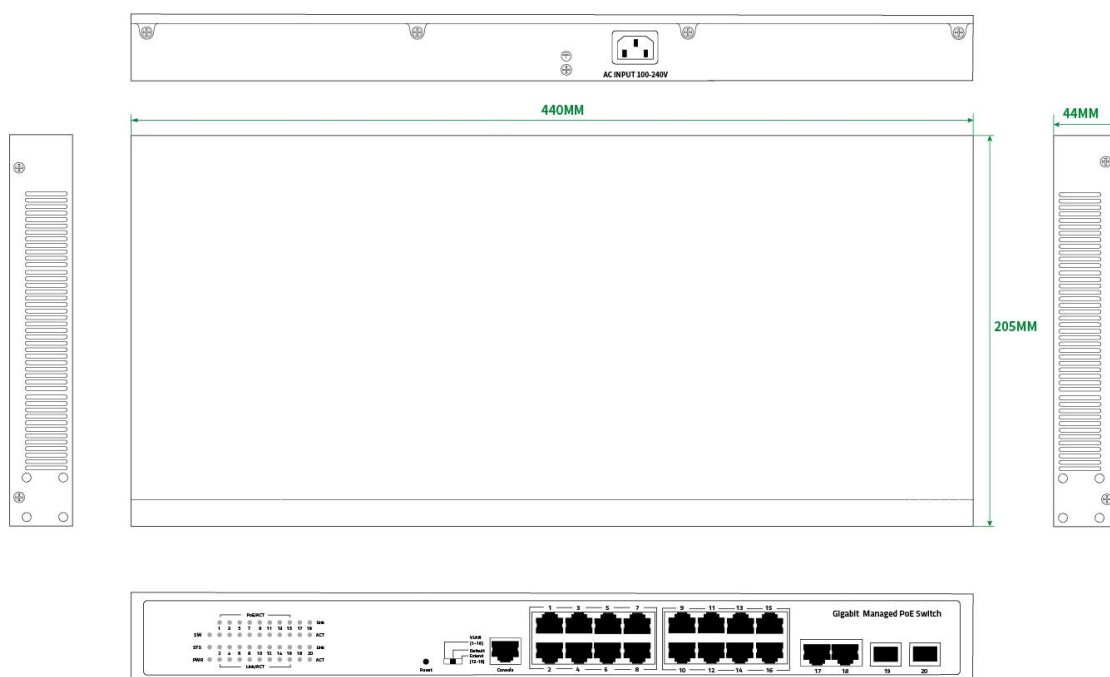
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|-------------------|--|
| MAC | Support MAC address automatic learning and aging |
| | Support Static, dynamic, filtered address table |
| Security features | Password protection |
| | Support Restrict user access based on port number, IP address, MAC address |
| | Support HTTPS、SSH V1/V2 |
| | Support VLAN-IP-MAC-PORT binding |
| | Support ARP detection, IP source protection, DoS protection |
| | Support DHCP Snooping、DHCP Attack protection |
| | Support 802.1X Certification |
| | Support AAA (Authentication, Authorization, Accounting), Support RADIUS protocol |
| | Support Port security, port isolation |
| Access control | Support L2(Layer 2)~L4(Layer 4) Packet filtering function |
| | Support Port mirroring, flow rate limiting, QoS remarking |
| QOS | Support 8 port queues |
| | Support Port priority, 802.1P priority, DSCP priority |
| | Support SP, WRR Priority scheduling algorithm |
| Spanning tree | Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) and MSTP(IEEE 802.1s) protocol |
| | Support Multi-instance, Support Aggregate interface |
| | Support BPDU protection |
| Multicast | Support IGMP v1/v2/v3 Snooping |
| | Support MLD v1/v2 Snooping |
| | Support Layer 2 multicast fast leave mechanism, querier |
| | Support Layer 2 IPv4 static multicast |
| | Support Layer 2 IPv6 static multicast |
| | Support IGMP v1/v2/v3 Layer 3 multicast |
| Storm suppression | Support multicast suppression |
| | Support broadcast storm suppression |
| | Support unknown unicast suppression |
| Ring protection | Support Ring protection |
| Link Aggregation | Support Static Aggregation |
| | Support LACP Dynamic Aggregation |

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|----------------------------|--|
| | Support based on IP, MAC, mixed load-balancing modes |
| | Maximum support 8 aggregation groups (8 ports per aggregation group) |
| IPv6 | Support IPv6 Ping、IPv6 Traceroute、IPv6 Telnet |
| | Support IPv6 SSH |
| | Support IPv6 HTTP 、IPv6 HTTPS |
| Management and Maintenance | Support WEB Management (HTTP、HTTPS) |
| | Support CLI (Telnet, SSH V1/V2, Local serial port) |
| | Support SNMP V1/V2/V3 |
| | Support RMON V2 |
| | Support LLDP Device discovery |
| | Support SNTP Time synchronization |
| | Support CPU Monitoring, Memory Monitoring |
| | Support System log, classification warning |
| | Support Ping, Traceroute detection, cable detection |
| | Support WEB Management (HTTP、HTTPS) |

Product Structure



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