28 Ports Layer 3 Managed Ethernet Switch with 10G Uplin

24*GE +4*TF + 1*Console Managed Fiber Switch

EWIND

- 24*10/100/1000M RJ45 ports+4*1G/2.5G/10G SFP fiber port Managed Ethernet Convergence/Core switch;
- Comply with IEEE 802.3, IEEE 802.3u, IEE802.3ab,IEE802.3z standards;
- Support IPv4/IPv6 L3 soft routing function, QOS, STP/RSTP, IGMP, DHCP, SNMP, WEB, VLAN, ERPS etc.
- Support connection with IP Cameras and wireless AP.
- Plug and play, no need more configuration.
- Low power consumption design. Low power consumption design. Energy-saving and green. Max total power consumption < 15W.
- 3 years warranty.

RoHS FC CE

Introduction

The EW-S5728GM series is a 1/2.5/10G uplink L3 managed ethernet switch. It has 24*10/100/1000Base-T RJ45 ports and 4*1/2.5/10G SFP+ fiber slot ports. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprise.

The EW-S5728GM has the L3 full network management function, supports IPV4/IPV6 management, supports static route full line rate forwarding, supports complete security protection mechanism, complete ACL/QoS policy and rich VLAN functions, and is easy to manage and maintain. Supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms) and (ITU-T G.8032) ERPS to improve link backup and network reliability. When one-way network fails, communication can be quickly restored to ensure important Uninterrupted communication for applications.

TECHNICAL SPECIFICATION

Model	EW-S5728GM
Interface	24*10/100/1000Base-T/TX RJ45 ports (Data) 4*1/2.5/10G uplink SFP+ fiber slot ports (Data) 1*Console RS232 port (115200,N,8,1)
Managed Type	L3

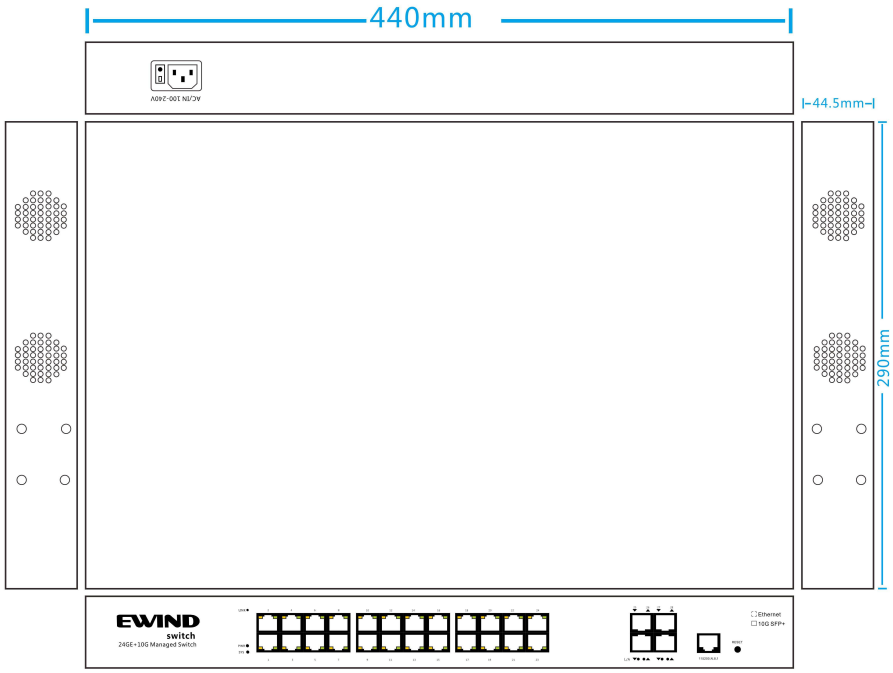
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X IEEE802.3ae 10GBase-SR/LR IEEE802.3x
Ethernet Port Feature	Port 1-24 can support 10/100/1000BaseT(X) auto detect, full/half duplex MDI/MDI-X adaptive
Fiber Port Feature	1/2.5/10G SFP fiber interface (Fiber module is not included, need to order separately, module options include single/multi-mode, single/dual fiber, LC)
Forwarding Mode	Store and Forward
Switching Capacity	598Gbps (non-blocking)
Forwarding Rate	107.14Mpps
MAC	32K
Buffer Memory	32M
Twisted Pair Transmission	10BASE-T:Cat3,4,5 UTP(≤100 meter) ; 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T:Cat5e or later UTP(≤100 meter)
Optical Fiber Cable	Multi-mode:850nm 0~300M(10G) ,850nm 0~500M (1.25G); Single-mode:1310nm 0~40KM,1550nm 0~120KM.
Power Supply	Built-in power supply, AC 100~220V 50-60Hz 5A
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-28port 100M-(Link/Act)/ (Orange),1G/2.5G/10G-(Link/Act)/ (Green); POE indicator: PoE (Green) SYS:(Green)
Reset Switch	Yes, One-button factory reset
Operation TEMP/Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP /Humidity	-40~+80°C;5%~95% RH Non condensing
Protection	IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-5(Lightning protection/Surge): Power:CM±4kV/DM±2kV; Port: ±4kV

Protection Level	IP30
Dimension (L*W*H)	440*290*44.5mm
Net /Gross Weight	<4.4kg / <5.0kg
Installation	Desktop, 19-inch 1U cabinet
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30
Certification	CCC, CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS
Warranty	3 years, lifelong maintenance.
Managed Series Feature	
Interface	IEEE802.3x flow control (full duplex) Broadcast storm suppression for port rate support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps. Temperature protection setting Energy saving configuration of port EEE Ethernet
Layer3 Function	L3 network management function, IPV4/IPV6 management support layer3 of software line speed forwarding. Support different network segments, communication between different VLAN Static routing/default routing,128 maximum entries ARP protocol, 1024 maximum entries Support Mac filtering function.
VLAN	Support port based VLAN (4K), IEEE802.1q Support protocol based VLAN Support Access, Trunk, Hybrid three types of port configuration Support QinQ configuration
Port Aggregation	Support LACP Support static polymerization Support the largest 8 aggregation groups, each aggregation group supports 8 ports.
Spanning Tree	STP (IEEE802.1d) RSTP (IEEE802.1w) MSTP (IEEE802.1s)
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring. The self healing time of the ring network is less than 20ms
Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most. Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN

Image	Bi-directional traffic mirroring supporting the basic port
QoS	Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) priority tag Mark/Remark stream based packet filtering Support for stream based redirection Support flow based speed limit
ACL	Support L2 to L4 packet filtering function, can match the first 80 bytes of the message, provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition ACL. Support ACL based on port and VLAN
Safety Characteristics	Support user grading management and password protection Support IEEE802.1X authentication / centralized MAC address authentication Support AAA&RADIUS authentication Support the number of MAC address learning restrictions Support MAC address black hole Support SSH 2 to provide secure passwords for user login. Support SSL to ensure data transmission security Support port isolation Support the speed limit function of ARP message Support IP source address protection Support ARP intrusion detection function Support against DoS attacks Support port broadcast message suppression Support host data backup mechanism Binding capabilities of IP+MAC+VLAN+ ports
DHCP	Support DHCP Client Support DHCP Snooping Suport DHCP Serve Suport DHCP Relay

Management And Maintenance	Support Console/AUX Modem/Telnet/SSH2.0 CLI command line configuration Support WEB network management (HTTPS) Support FTP, TFTP, Xmodem, SFTP file download management Support SNMP V1/V2C/V3 Support one bond reduction Support NTP clock Support system work log Support Ping detection Support cable state detection Support CPU instant utilization status view Support link layer discovery protocol LLDP Support NMS intelligent management center
System Requirements	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; Cat5e or later Ethernet cable; TCP/ IP, network adapter and network operating system (Microsoft Windows, Linux or Mac OS X) installed on on every computer in the network.

DIMENSION



APPLICATION

PACKING LIST

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