➢ 8*10/100/1000M RJ45 ports+24*100/1000M SFP fiber port+4*1/2.5/10G(SFP+) fiber ports Managed Ethernet Convergence/Core switch;

➢ Comply with IEEE 802.3, IEEE 802.3u, IEE802.3ab,IEE802.3z standards;

➢ Support 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-S3936GM is a L2+ managed core Ethernet switch, with 8*10/100/1000M RJ45 ports +24*100M/1000M SFP slot ports +4*1/2.5/10G SFP+ slot ports. EW-S3936GM support static routing forwarding, support complete security protection mechanism, perfect ACL/QoS strategy and rich VLAN function, easy to manage and maintain. Support 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 recovered quickly to ensure uninterrupted communication of important applications.

TECHNICAL SPECIFICATION

| Model	EW-S3936GM
Interface	8*10/100/1000Base-T/TX RJ45 ports (Data) 24*100/1000M Base-X uplink SFP slot ports (Data) 4*1G/2.5G/10G Base-X uplink SFP+ slot ports (Data) 1*Console RS232 port (115200, N,8,1)
Network Management Tape	L2+

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	Port1-8 10/100/1000Base-T, auto-sensing, full/half duplex MDI/MDI-X self-adaption
SFP Port Characteristic	1G/2.5G/10G SFP fiber interface, default matching fiber modules, need to buy separately, (optional single-mode/multi-mode, single fiber / dual fiber module, LC)
Forwarding Mode	Store and Forward
Switching Capacity	598Gbps
Forwarding Rate	107.14Mpps
MAC Address Table	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 cable	Multi-mode:850nm 0~300M(10G),850nm 0~550M (1.25G) Single-mode:1310nm 0~40KM,1550nm 0~120KM.
LED	Power indicator: PWR (Green); Network indicator: 1-36Port 100M-(Link/Act)/ (Orange),1G/2.5G/10G-(Link/Act)/ (Green); SYS:(Green)
Reset Switch	Yes, One-button factory reset
Power Supply	Built-in power supply; AC:100 ~220V 50-60Hz
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+80°C;5%~95% RH Non condensing
Dimension(L*W*H)	440*290*44.5mm

| Net /Gross Weight	<4kg /<5kg
Installation Method	Desktop.19-inch 1U cabinet installation
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
Certification	CCC; CE mark, commercial;CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	3 years, lifetime maintenance
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	L2+ network management function layer3 software is non line speed forwarding, supporting different network segments communication between different VLAN Static routing / default routing, 128 maximum entries ARP protocol, 1024 maximum entries
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	DHCP Client
	DHCP Snooping
System Requirements	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;
	5 types and above Ethernet cable;
	TCP/ IP, network adapter and network operating system (such as Microsoft Windows, Linux or Mac OS X) are installed on computers in the network.

DIMENSION
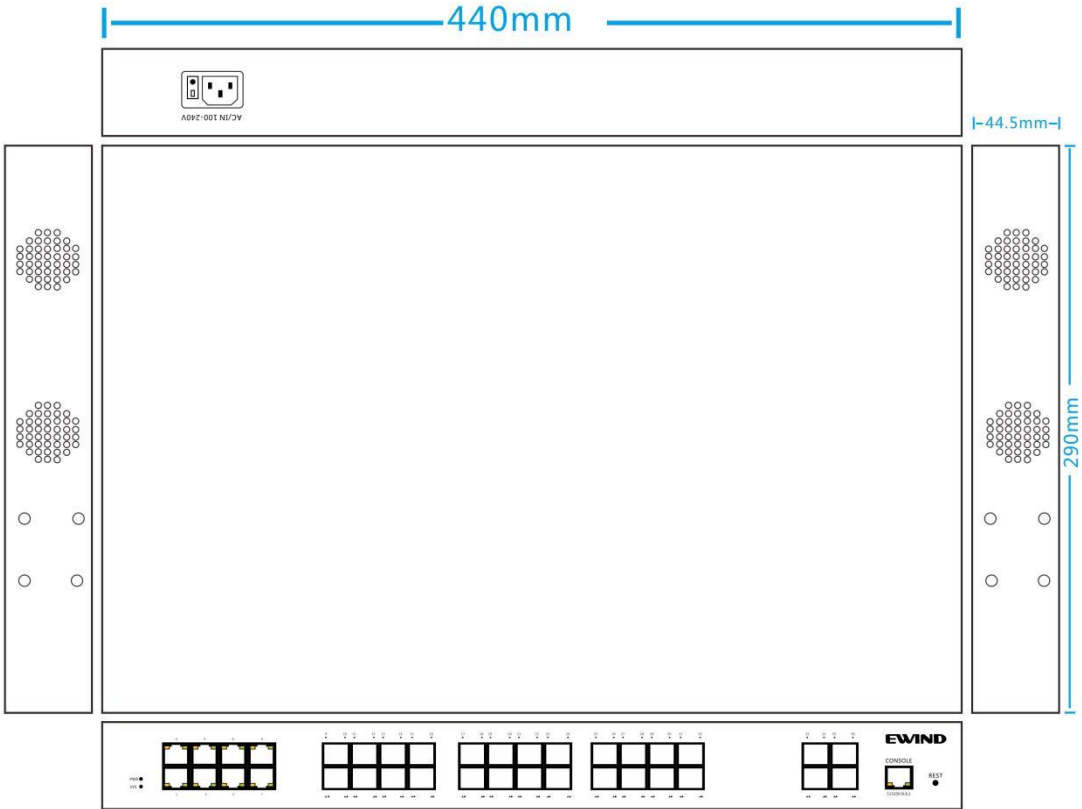
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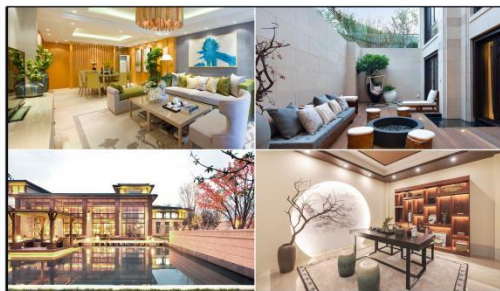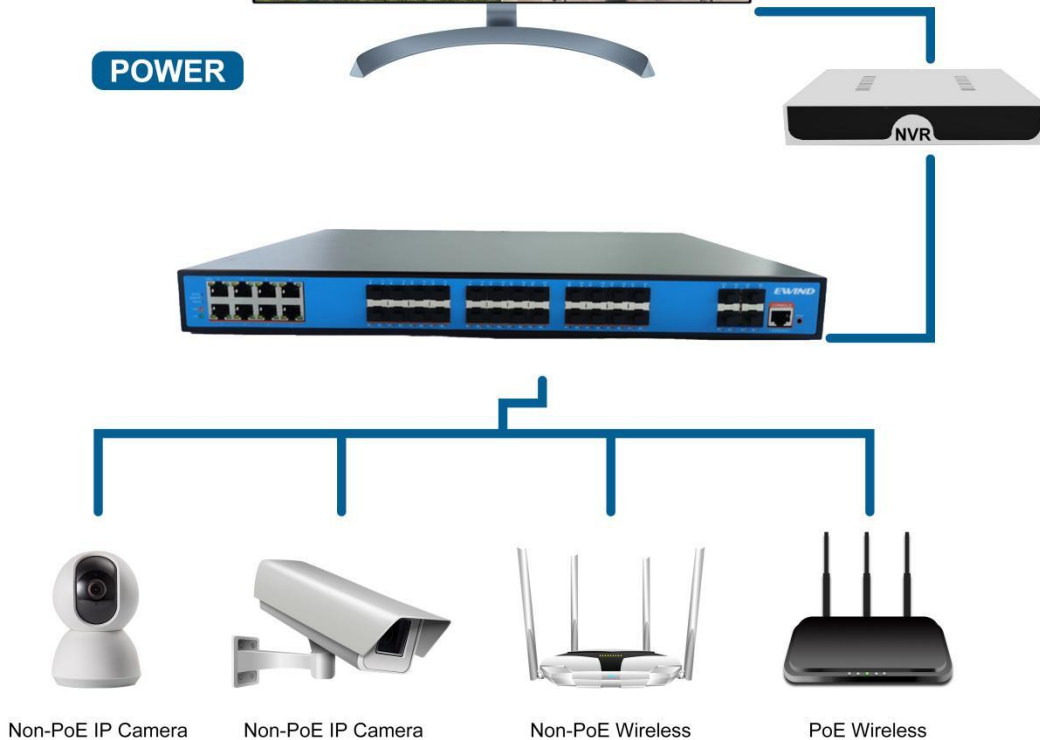
PACKING LIST

CONTENT	QTY	UNIT
36 Ports L2 Managed Ethernet switch with 10G uplink (EW-S3936GM)	1	SET
Hanging Ear	1	PAIR
User Guide	1	PC
Warranty Card	1	PC