



FEATURE HIGHLIGHTS

- Up to 8 10/100 BASE-T(X) ports and 4 10/100/1000 BASE-T(X) Combo ports
- Up to 8 802.3af or 802.3at compliant PoE ports
- ERPS Ring (recovery time < 20ms @ 40 switches), STP/RSTP for network redundancy
- Remote management over Web browser, Telnet console, serial console, and Windows Utility
- CE/FCC/UL and NEMA TS-2 for Traffic control applications certified
- Profinet CC-B v2.33 certified and GSDML file provided
- Security features based on IEC62443-4-2

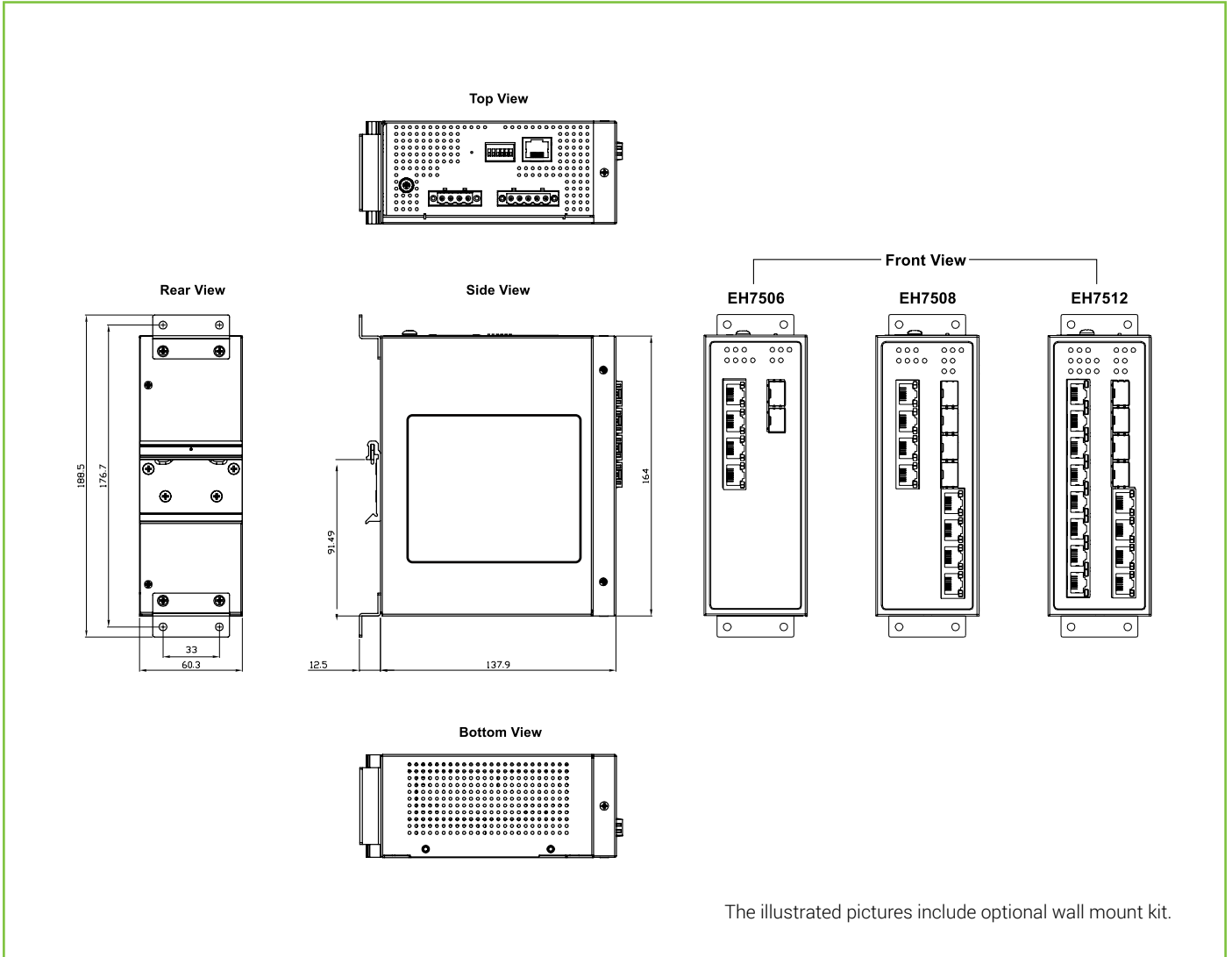
PRODUCT DESCRIPTION

The EH7506/08/12 Series is a highly reliable and fault-tolerant Industrial Managed PoE Ethernet Switch. It equips up to eight 10/100BASE-T(X) RJ-45 ports and up to four 10/100/1000BASE-T(X)/FX RJ-45 and SFP ports. With its high performance switching capacity, EH7506/08/12 Series provides network redundant self-recovery mechanism is less than 20ms on full load which allows you to scheme a reliable Ethernet network by building a redundant ring topology as your back-up solution. With a Multifunctional web dashboard, EH7506/08/12 Series offers intelligent features such as Quality of service (QoS), Virtual LAN (VLAN), IGMP, Port mirroring and security. To prevent network intrusions, it is necessary to have a good accessing control mechanism that can identify, authenticate and authorize users. EH7506/08/12 support user account, password policy, and authentication interface managements functions that comply with IEC62443 standard.

The EH7506/08/12 Series is designed for Industrial rugged applications. It equips a 5-pins terminal block to provide dual redundant power inputs with Reverse Polarity Protection and two sets of relay which allows field engineers to build up a stand-alone fault alarm system. Its IP30 housing protection, wide operating temperature of -20 to 70°C and DIN-Rail mounting capacities are liable to do most industrial filed applications.

Being Profinet CC-B v2.33 certified, this switch Series is Automation and IoT ready. Profinet allows wired and wireless combinations for an array of connectivity options, providing a more effective backbone for your automation operations.

DIMENSIONS & LAYOUT



The illustrated pictures include optional wall mount kit.

SPECIFICATIONS

Technical Specifications	
Model Name	EH7506/EH7508/EH7512 Series
Technology	
Standards	IEEE802.3af / 802.3at for Power-over-Ethernet IEEE802.3 for 10BASE-T IEEE802.3u for 100BASE-T(X) and 100BASE-FX IEEE802.3ab for 1000BASE-T(X) IEEE802.3z for 1000BASE-X IEEE802.3x for Flow Control IEEE802.1D-2004 for Spanning Tree Protocol IEEE802.1w for Rapid STP IEEE802.1Q for VLAN Tagging IEEE802.1p for Class of Service IEEE8021X for Authentication IEEE802.3ad for Port Trunk with LACP
Protocols	IPv4, IPv6, IGMPv1/v2/v3, IGMP Snooping, GARP, GMRP, GVRP, SNMPv1/v2c/v3, SNMP Inform, ICMP, Telnet, SSH, DHCP Relay/Client, BootP, TFTP, NTP Server/Client, SNTP, SMTP, SMTP(Gmail), RMON, HTTP, Syslog, MRP (Manager/Client), LLDP, IEEE 1588 PTP V1/V2, 802.1x, EAP, RADIUS, TACACS+, Mirror port, QoS, ACL, Serial Console, U-Ring, STP, RSTP, MSTP, Redundancy Compatible Ring, Profinet, Modbus/TCP, UDLD, Security, Trunk,LACP, MLD, 802.1Q VLAN, PortBased VLAN,MAC-Based VLAN, IP-Subnet-Based VLAN, Protocol-Based VLAN, QinQ,802.1x, ARP spoof Prevention, DHCP snooping, IP source Guard, Dynamic ARP Inspection, DHCP relay Agent
Automation Profiles	Profinet CC-B v2.33 certified, GSDML file provided
MIB	MIB II, IF-MIB, SNMPv2 MIB, BRIDGE-MIB, RMON MIB Group 1,2,3,9, RFC RFC 1157, RFC 1213, RFC 1215, RFC 1493, RFC 1643, RFC 1757, RFC 2011, RFC 2012, RFC 2013, RFC 2233, RFC 2571, RFC 2742, RFC 2819, RFC 2863, RFC 3411, RFC 3412, RFC 3413, RFC 3414, RFC 3415
Flow Control	IEEE802.3x for Flow Control, back pressure flow control
Switch Properties	
Priority Queues	8
Max. Number of Available VLANs	256
VLAN ID Range	VID 1 to 4094
Static IGMP Groups	256
Dynamic IGMP Groups	256
MAC Table Size	16K
Packet Buffer Size	12 Mbit

Interface	
RJ45 Ports	10/100/1000BASE-T(X) or 10/100 BASE-T(X) auto negotiation speed
Fiber Ports	100BASE-FX / 1000BASE-X SFP slot
LED Indicators	PWR1, PWR2, Alarm, Run, Ring, Ring Master, RJ-45 Link/Speed, SFP Link, PoE
Console	RS232 (RJ45 connector)
Relay Output	2 relay outputs with current carrying capacity of 2A @30VDC
DIP Switches	Ring Control
Button	Reset Button
Power Management	
Input Voltage	9-48 VDC or 18~30VAC for Non-PoE models 45-57 VDC for 802.3af mode 51-57 VDC for 802.3at mode
Input Current	Max. 1.5A @ 18VAC Max. 2.0A @ 9VDC (without PD) Max. 3.2A @ 45VDC (Support up to 8 ports at 15.4W per PoE port) Max. 5.5A @ 51VDC (Support up to 8 ports at 30W per PoE port)
Connector	Removable 5-pin Terminal Block for power input
Reverse Polarity Protection	Present (DC only)
Physical Characteristics	
Housing Dimension (W x H x D) Weight Installation	IP30 protection, metal housing 60.3mm x 137.9mm x 164mm approx 1.2 kg (Max.) DIN-Rail, Wall Mount (Optional Kit)
Environmental Limits	
Operating Temperature Storage Temperature Ambient Relative Humidity	-20°C~70°C (-4°F~158°F) -40°C~85°C (-40°F~185°F) 5%~95%, 55°C (Non-condensing)

REGULATORY APPROVALS

Regulatory Approvals				
Test	Item		Value	Level
Safety	UL60950-1 2nd Ed. /CSA C22.2 No.60950-1-07 2nd Ed. / CB (IEC/EN62368-1 & IEC/EN60950-1)			
EMC	FCC Part 15, Subpart B, Class A / EN 61000-6-4:2007+A1:2011 / EN 61000-6-2:2005			
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±6KV ±8KV	3 3
IEC 61000-4-3	RS	Radiated(Enclosure)	10(V/m)	3
IEC 61000-4-4	EFT	AC Power Port DC Power Port Signal Port	±2.0kV ±2.0kV ±1.0kV	3 3 3
IEC 61000-4-5	Surge	AC Power Port AC Power Port DC Power Port DC Power Port Signal Port	Line-to-Line ±1.0KV Line-to-Earth ±2.0KV Line-to-Line ±1.0KV Line-to-Earth ±2.0KV Line-to-Earth ±1.0KV	3 3 3 3 2
IEC 61000-4-6	CS	Conducted(Enclosure)	10 Vrms	3
IEC 61000-4-8	PFMF	(Enclosure)	30 A/m	4
IEC 61000-4-11	DIP	AC Power Port	-	-
Shock	IEC 60068-2-27			
Drop	IEC 60068-2-32			
Vibration	IEC 60068-2-64			
Traffic Control	NEMA TS-2			
RoHS	Yes			
MTBF	11 years			
Warranty	5 years			

ORDERING INFORMATION

Ordering information		
Model name	Part Number	Description
EH7506-4PoE-2SFP	1P1EH750600001G	4P*10/100TX with 4PoE;2P*Giga SFP
EH7506-2SFP	1P1EH750600002G	4P*10/100TX;2P*Giga SFP
EH7508-4G-4PoE-4SFP	1P1EH750800001G	4P*10/100TX with 4PoE;4P*Giga Combo
EH7508-4G-4SFP	1P1EH750800002G	4P*10/100TX;4P*Giga Combo
EH7512-4G-4PoE-4SFP	1P1EH751200001G	8P*10/100TX with 4PoE;4P*Giga Combo
EH7512-4G-8PoE-4SFP	1P1EH751200002G	8P*10/100TX with 8PoE;4P*Giga Combo
EH7512-4G-4SFP	1P1EH751200004G	8P*10/100TX;4P*Giga Combo

Note: Numbers in the parenthesis are the Combo ports.

Optional Accessories		
Model name	Part Number	Description
WMK-450-Black		Metal Wall Mount Kit, Black
AD1120-48F		120W/2.5A DIN-Rail 48 VDC power supply with universal 100~240VAC/120-370VDC input
AD1240-48C		240W/5A DIN-Rail 48 VDC power supply with universal 100~240VAC/120-370VDC input
AXGD-5854-0513	522AXGD5854001G	SFP Transceiver, 1250Mbps, 850nm, Multi-mode, 550m, 3.3V,
AXGD-1354-0523	522AXGD1354001G	SFP Transceiver, 1250Mbps, 1310nm, Multi-mode, 2km, 3.3V,
AXGD-1354-0533	522AXGD1354011G	SFP Transceiver, 1250Mbps, 1310nm, Single-mode, 10km, 3.3V,
AXGD-3354-0593	522AXGD3354001G	SFP Transceiver, 1250Mbps, 1310nm, Single-mode, 40km, 3.3V, -40~85°C,DDMI
CBL-RJ45(8P)-DB9(F)-90-C		8-pin RJ45 to DB9 Female Cross Over Cable, 90cm
AXFD-1314-0523	522AXFD1314001G	SFP Transceiver;155Mbps, Multi-mode;1310nm;2km;-40~85, DDMI
AXFD-1314-0553	522AXFD1314011G	SFP Transceiver;155Mbps, Single-mode;1310nm;30km;-40~85, DDMI

Note: Please choose a power supply wisely based on the actual power requirement. EH7512's system require 18W and each PoE port adds 15W for 802.3af or 30W for 802.3at.