

EHG7305/7306/ 7307 Series

Industrial PoE Unmanaged Gigabit Ethernet Switch



FEATURE HIGHLIGHTS

PRODUCT DESCRIPTION

The EHG7305/7306/7307 are 5-7 Port PoE Unmanaged Gigabit Ethernet Switches designed to work in mission critical environments such as mining and heavy industry. EHG730X series support maximum 5 x 10/100/1000 Base-T(X) RJ45 ports, 1 x 100/1000 Base-F(x) SFP port and 1 x 1000 Base-X SFP port*. With its high performance and non-blocking switching capacity, the EHG7300 Series is able to fulfill the increasing demand in industrial networking. Its PoE capability of 30W per port up to four ports simplifies the wiring in complex fields, where every cable is an added cost. The equipped terminal block provide dual redundant power inputs with Reverse Polarity Protection and relay output which allows field engineers to build up a fault alarm system. Its IP30 housing protection, wide operating temperature of -40 to 70°C and DIN-Rail mounting capacities are liable to do most industrial filed applications. The EHG7305/7306/7307 Series is fully EN50155-certified to ensure reliable performance under a wide range of power supply conditions, and it complies with essential sections of EN50121-4 for ground equipment.

* 1000 Based-X SFP is only supported in EHG7307.











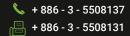




SPECIFICATIONS

Technical Specifications						
Model Name	EHG7305	EHG7305- 4PoE	EHG7306 -1SFP	EHG7306- 4PoE-1SFP	EHG7307 -2SFP	EHG7307- 4PoE-2SFP
Switch Properties						
Processing Scheme	Store-and-Forward					
MAC Address Table	8096					
Jumbo Frame	10K Bytes					
Packet Buffer	1 Mbits					
Ethernet						
Compliance	IEEE802.3 for 10BASE-T IEEE802.3u for 100BASE-T(X) and 100BASE-FX IEEE 802.3ab for 1000BASE-T IEEE 802.3z for 1000BASE-X IEEE 802.1Q for VLAN Tagging IEEE 802.1p for Class of Service IEEE 802.3x Flow Control IEEE 802.3af / 802.3at for Power-over-Ethernet IEEE 802.3az for Energy Efficient Ethernet					
Flow Control	Back pressure and pause frame-based flow control schemes					
LLDP	Forwarding					
Transmission Rate for RJ45	5 x 10/100/1000 Mbps					
Transmission Rate for SFP	EHG7306 1 x 100/1000 Mbps; EHG7307 SFP1: 1000Mbps / SFP2: 100/1000 Mbps					
Auto MDI/MDI-X	Yes					
Power						
Input Voltage	12-52 VDC*					
Input Current (System)	0.5A @ 12 \	/	0.6A @ 12V	/		
Max. Power Consumption (System)	6 W 7.2 W					
Input Current (with PoE)	-	2.6A @ 51 V	-	2.6A @ 51 V	-	2.6A @ 51 V
Max. Power Consumption (with PoE)	-	130 W	-	130 W	-	130 W
Relay Output	24 V / 0.5A					
Connector	Terminal Block					
LED						
Indicators	PWR1, PWR2, Alarm, RJ45 Act/Link, SFP Link, PoE					
Physical Characteristics						
Housing	IP30 protection according to EN 60529					
Material	SECC Aluminum					
Dimension (W x H x D)	32 x 90 x 110 mm 45.3 x 89.6 x 110 mm					
Weight	420g 350g					
Installation	DIN-rail or wall-mount (optional)					
Environmental Limits						
Operating Temperature	-40°C~70°C (-40°F~158°F)					
Storage Temperature	-40°C~85°C (-40°F~185°F)					
Ambient Relative Humidity	5%~95%, 55°C (Non-condensing)					

^{*802.3}af PoE output starts from 43 VDC input and 802.3at output starts from 51 VDC input.









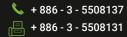






REGULATORY APPROVALS

Regulatory Approvals						
Safety	UL 61010-1 , IEC 61010-1, IEC 61010-2-201, UL C1D2/ATEX Zone 2					
EMC	EN 55024 EN 61000	51000-6-4				
Rall Traffic	EN50155	50155 / EN50121-1/ EN50121-3-2/ EN50121-4				
Test				Value	Level	
IEC 61000-4-2)	ESD	Contact Discharge Air Discharge	±8KV ±15KV	4 4	
IEC 61000-4-3	}	RS	80-1000MHz 1.4-2.0GHz 2.0-2.7GHz	10(V/m) 3 (V/m) 1(V/m)	3	
IEC 61000-4-4		EFT	AC Power Port DC Power Port Signal Port	±2.0KV ±2.0KV ±2.0KV	3 3 4	
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±2.0KV	3 3 3 3	
IEC 61000-4-6)	CS	Conducted	10 Vrms	3	
IEC 61000-4-8	}	PFMF	Enclosure	30 A/m	4	
IEC 61000-4-1	1	DIP AC Power Port -				
Shock		MIL-STD-810G (2014)				
Drop		MIL-STD-810G (2014)				
Vibration		MIL-STD-810G (2014)				
High Altitude		Certified for 4000m altitude				
RoHS		YES				
MTBF		TBD				
Warranty		5 years				













ORDERING INFORMATION

Ordering information				
Model name	Part Number	Description		
EHG7305	1P1EHG73050001G	5*10/100/1GTX RJ45		
EHG7305-4PoE	1P1EHG73050002G	5*10/100/1GTX RJ45 with 4 PoE		
EHG7306-1SFP	1P1EHG73060001G	5*1GTX RJ45 ;1*100/1GFX SFP		
EHG7306-4PoE-1SFP	1P1EHG73060002G	5*1GTX RJ45/4PoE;1*100/1GFX SFP		
EHG7307-2SFP	1P1EHG73070001G	5*1GTX RJ45;2*100/1GFX SFP		
EHG7307-4PoE-2SFP	1P1EHG73070002G	5*1G RJ45/4PoE;2*100/1GFX SFP		

Optional Accessories			
Model name	Part Number	Description	
WMK-315-Black	70100000000050G	Aluminum Wall Mount Kit,Black (only EHG7305)	
WMK-454-Black	70100000000043G	Aluminum Wall Mount Kit,Black (for EHG7305-4PoE,EHG7306 and EHG7307)	
SDR-75-24	50500752240001G	75W/3.2A DIN-Rail 24VDC power supply with universal 88~264VAC / 124~370VDC input	
SDR-240-48	50502401480001G	240W/5A DIN-Rail 48VDC power supply with universal 88~264VAC / 124~370VDC input	
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	
AXGD-5854-0513	522AXGD5854001G	SFP Transceiver, 1250Mbps, 850nm, Multi-mode, 550m, 3.3V, -40~85°C, DDMI	
AXGD-1354-0523	522AXGD1354001G	SFP Transceiver, 1250Mbps, 1310nm, Multi-mode, 2km, 3.3V, -40~85°C, DDMI	
AXGD-1354-0533	522AXGD1354011G	SFP Transceiver, 1250Mbps, 1310nm, Single-mode, 10km, 3.3V, -40~85°C, DDMI	
AXGD-3354-0593	522AXGD3354001G	SFP Transceiver, 1250Mbps, 1310nm, Single-mode, 40km, 3.3V, -40~85°C,DDMI	









