



## FEATURE HIGHLIGHTS

- 16 x 10/100/1000Base-T(X) RJ45 PoE/PoE+ Ports
- Rugged IP40 housing
- Works from -40°C~70°C
- Support powerful DIP switch function:  
LLDP Forward/Block, Port Isolation, Broadcast Storming
- Reverse Polarity and Over-Current Protection

## PRODUCT DESCRIPTION

The Atop EHG2316C is a highly reliable, industrial-grade PoE switch featuring 16-port 10/100/1000-T PoE/PoE+, compliant with IEEE 802.3af and IEEE 802.3at standards. Each port supports up to 30W (PoE+) power output, making it ideal for powering IP cameras, wireless access points, and other industrial devices.

This switch includes configurable DIP switch settings on the top panel, allowing users to enable LLDP forwarding/blocking, Port isolation and Broadcast storming enable/disable for enhanced network efficiency and reliability.

Designed for rugged industrial environments, the EHG2316C features:

- Wide-range power input (12-57VDC) with redundant power design and polarity reverse/over-current protection.
- Robust IP40 fanless housing with DIN-rail installation for space-constrained setups.
- High-level EMI/EMC protection and compliance with EN/UL 62368, CE, and FCC standards.
- Shock, drop, and vibration resistance (IEC 60068-2 certified) for extreme industrial applications.
- Extended operating temperature range (-40°C to 70°C) for deployment in harsh conditions.

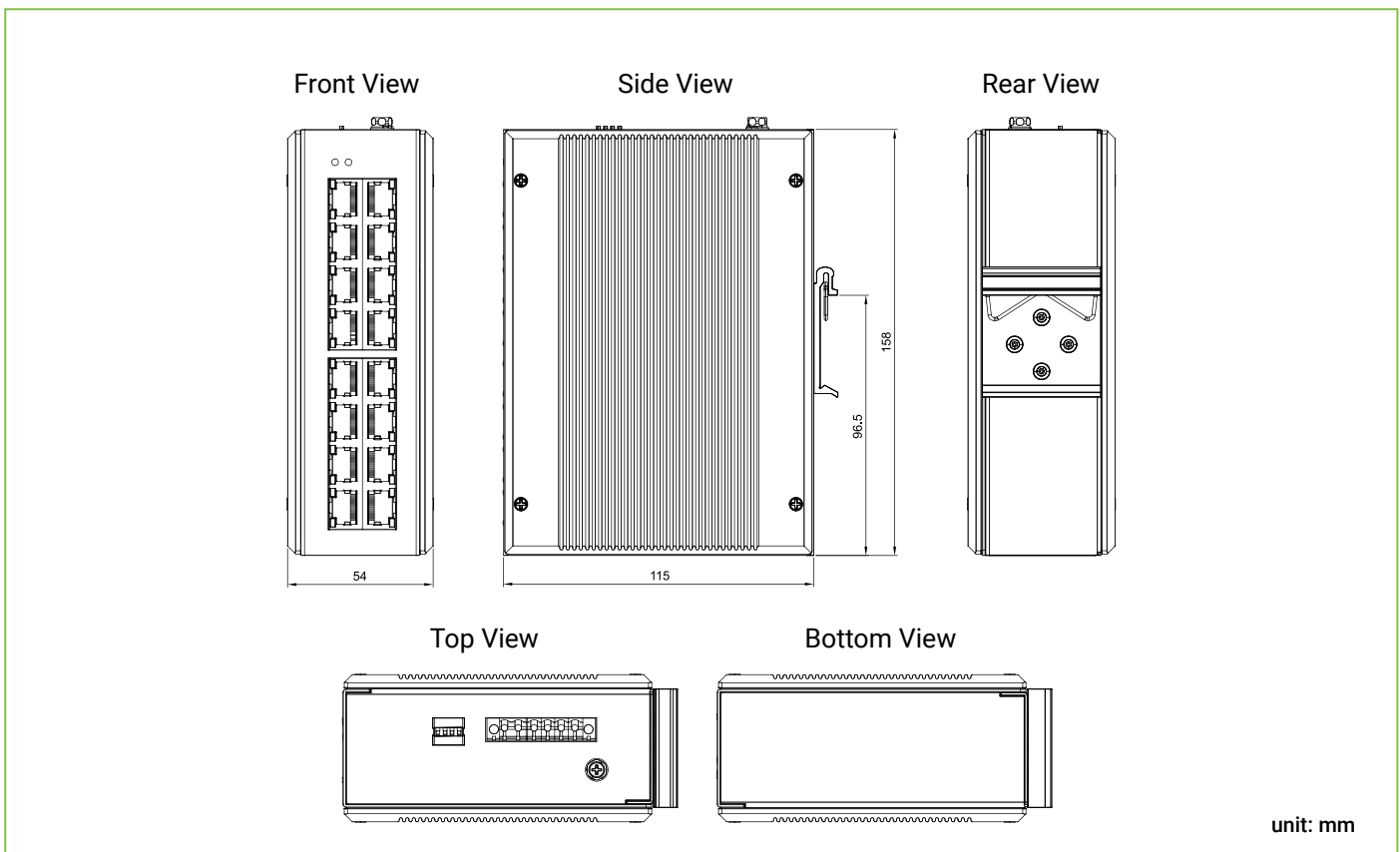
With its cost-effective, easy-to-use design, the EHG2316C is the perfect choice for heavy industrial factories, transportation, oil & gas, chemical plants, IP surveillance, and process automation, where reliability and durability are crucial.

## SPECIFICATIONS

Technical Specifications	
Model Name	EHG2316C-(16 PoE)
Switch Properties	
Processing Scheme	Store-and-Forward
Switching Capacity	32Gbps
Forwarding Rate	47.6Mpps
VLAN	4K
Forwarding Delay	<5us
MAC Address Table	4K
Packet Buffer Size	2Mb
Jumbo Frame	10Kbytes
Ethernet	
Compliance	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) IEEE802.3ab for 1000BASE-T(X) IEEE 802.3x for Flow Control, back pressure flow control IEEE 802.1q/p for VLAN Tagging and Class of Service IEEE 802.3af / 802.at for Power-over-Ethernet
Flow Control	Back pressure and pause frame-based flow control schemes
Transmission Rate	10/100/1000 Mbps on Gigabit ports
Number of ports	16 x 10/100/1000 Mbps RJ45
Auto MDI/MDI-X	Yes
Power	
Input Voltage	12~57 VDC (non-PoE version); 44~57 VDC(PoE version)
Input Current	0.7A Max
Max. Power Consumption	Full loading without PoE ≤ 8W. PoE power budget ≤ 240W
Connector	Removeable 6-pin terminal block, pin 5/6 for relay alarm output
Reverse Polarity Protection	Yes
Over-Current Protection	Yes
LED	
P(Power Indicator): Green	Off: the device is power off or failed. On: the device power is normal.
PoE	Off: total PoE usage < rated 50% Blinking: rated 50% < total PoE usage < rated 90% Normal on: total PoE usage ≥ rated 90%
LAN (Green)	Off: Ports link down On: Ports link up Blinking: Receiving data

LAN (Yellow)	Off: PoE not working On: PoE working
<b>DIP Switch</b>	
DIP 1	0: LLDP packet block. 1: LLDP packet forward.
DIP 2	0: Port isolation disabled. 1: Port isolation enabled.
DIP 3	0: Broadcast storm disabled. 1: Broadcast storm enabled.
<b>Physical Characteristics</b>	
Housing	IP40
Dimension (W x H x D)	54 mm x 115mm x 158mm
Weight	1.39Kg
Installation	DIN-Rail mounting , Wall mount (optional kit)*
<b>Environmental Limits</b>	
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)

## DIMENSIONS & LAYOUT



## REGULATORY APPROVALS

Regulatory Approvals					
Safety	IEC(CB)/EN 62368-1, UL62368-1				
FCC (EMI)	FCC Part 15, Subpart B, Class A				
CE (EMI)	EN 55032:2015/AC:2016 Class A EN 61000-3-2: 2014 EN 61000-3-3: 2013 EN 61000-6-4: 2007 + A1: 2011				
CE (EMS)	EN 55035:2010 + A1: 2015 EN 61000-6-2:2005 + AC: 2005				
Test	Item		Value	Level	Criterion
IEC 61000-4-2	ESD	Contact Discharge	±4kV	2	B
		Air Discharge	±8kV	3	B
IEC 61000-4-3	RS	80-1000MHz	10V/m	3	A
		1.4-6.0GHZ	3V/m	2	A
IEC 61000-4-4	EFT	DC Power Port	±1.0KV	2	A
		Signal Port	±1.0KV	3	A
IEC 61000-4-5	Surge	DC Power Port	Line-to Line±0.5KV	2	B
		DC Power Port	Line-to Earth±1.0KV	2	B
		Signal Port	Line-to Earth±1.0KV	2	B
IEC 61000-4-6	CS	0.15-80MHz	10 Vrms	3	A
IEC 61000-4-8	PfMF	Enclosure	30 A/m	4	B
Shock	IEC 60068-2-27				
Drop	IEC 60068-2-32				
Vibration	IEC 60068-2-6				
RoHS	Yes				
MTBF	300,000 hours (25°C) – 34.24 Years (25°C)				
Warranty	5 Years				

## ORDERING INFORMATION

### Ordering information

Model name	Part Number	Port Configuration	
		RJ45 10/100/1000	PoE/PoE+ Port
EHG2316C	1P1EHG2316C0001G	16	0
EHG2316C-16PoE	1P1EHG2316C0002G	0	16

### Optional Accessories

Accessories Type		Part Number	Description
Wall Mount	WMK-450-Black	70100000000052G	Aluminum wall mount kit
Power Supply	SDR-75-24	50500752240001G	75W/3.2A DIN-Rail 24VDC power supply 88~264VAC / 124~370VDC input
Power Supply	SDR-240-48	50502401480001G	240W/5A DIN-Rail 48VDC power supply 88~264VAC / 124~370VDC input