FEATURE HIGHLIGHTS

- 14 10/100 BASE-T(X) RJ45 ports and 2 10/100/1000 BASE-T(X) RJ45 ports
- Rugged IP30 housing
- Works from -10°C~60°C
- Support 802.1Q/p QoS, prioritizing critical packets such as PROFINET packets
- Reverse Polarity Protection
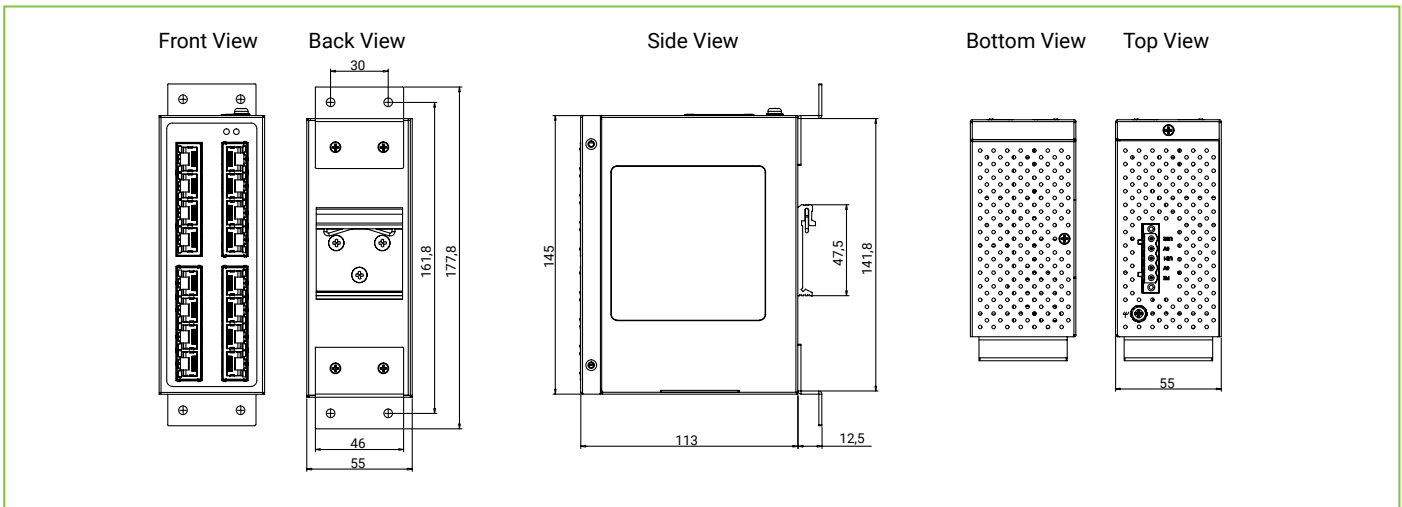
PRODUCT DESCRIPTION

EH2316-2G is an entry level unmanaged fast ethernet and gigabit switch with 14 10/100BASE-T(X) RJ45 and 2 10/100/1000BASE-T(X) ports, suitable and certified for EN/UL 60950/62368, CE and FCC. Its modern design makes the device installation possible on DIN-Rails with not much space available, or directly on the field.

IP30 housing design protects the EH2316-2G to resistance towards dust, dirt and it also offers shock/drop/vibration that certified with IEC 60068-2 standard, with them it's suitable for the toughest industrial applications even without the need of additional housing. And the operating temperature ranges is from -10°C to 60°C.

SPECIFICATIONS

Technical Specifications	
Model Name	EH2316-2G
Switch Properties	
Processing Scheme	Store-and-Forward
MAC Address Table	4K
Packet Buffer Size	2.75Mb
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 802.1p packet prioritization (for Profinet CC-A)
Flow Control	Back pressure and pause frame-based flow control schemes
Transmission Rate	10/100 and 10/100/1000 Mbps on Gigabit ports
Number of ports	14 x 10/100 Mbps RJ45 2 x 10/100/1000 Mbps RJ45
Auto MDI/MDI-X	Yes
Power	
Input Voltage	12~48 VDC
Input Current	0.62 A Max
Max. Power Consumption	7.4 W
LED	
Indicators	PWR1, PWR2
Physical Characteristics	
Housing	IP30
Dimension (W x H x D)	54 mm x 113mm x 145mm
Weight	700g
Installation	DIN-Rail mounting , Wall mount (optional kit)*
Environmental Limits	
Operating Temperature	-10°C~60°C (14°F~140°F)
Storage Temperature	-20°C~70°C (-4°F~158°F)
Ambient Relative Humidity	5%~95%, 55°C (Non-condensing)

v: 1.0

DIMENSIONS & LAYOUT

Front View   Back View

Side View

Bottom View   Top View

30

161,8   177,8

46
55

145   141,8   47,5

113   12,5

55

REGULATORY APPROVALS

Regulatory Approvals	
Safety	EN60950-1:2006, IEC(CB) 60950/62368-1, UL62368-1
EMC	FCC Part 15, Subpart B, Class A, EN 55032, EN 55024, EN 61000-6-4, EN 61000-6-2

Test	Item		Value	Level	Criterion
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±4kV ±8kV	2 3	B B
IEC 61000-4-3	RS	80-1000MHz 1.4-2.0GHZ 2.0~2.7GHz	10V/m 3V/m 1V/m	3 2 1	A A A
IEC 61000-4-4	EFT	DC Power Port Signal Port	±1.0KV ±2.0KV	2 2	A A
IEC 61000-4-5	Surge	DC Power Port DC Power Port Signal Port	Line-to Line±0.5KV Line-to Earth±1.0KV Line-to Earth±1.0KV	2 2 2	A A A
IEC 61000-4-6	CS	0.15-80MHz	10 Vrms	3	A
IEC 61000-4-8	PFMF	Enclosure	30 A/m	4	A
IEC 61000-4-11	DIP	AC Power Port	-	-	-
Shock	MIL-STD-810G Method 516.7 (2014)				
Drop	MIL-STD-810G Method 516.7 (2014)				
Vibration	MIL-STD-810G Method 514.7 (2014)				
RoHS	Yes				
MTBF	177596 hours (25°C) - 20.27 Years (25°C) according to MIL-HDBK-217F				
Warranty	5 Years				

v: 1.0

ORDERING INFORMATION

Ordering information

Model name	Part Number	Port Configuration	
		RJ45 10/100	RJ45 10/100/1000
EH2316-2G	1P1EH231600002G	14	2

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