

EB1011SC-30

Industrial Media Converter (Single Mode)
1 x 10/100M TX + 1 x 100M SC SM



Feature

- 1 x 10/100M TX + 1 x 100M SC SM
- Supports 18V-36VAC/12V-60VDC/ or DC Jack socket
- IP30 Design, high graded Aluminum
- DIN-Rail Mounting & Panel Mount
- Operating Temperature Range : -40°C~75°C



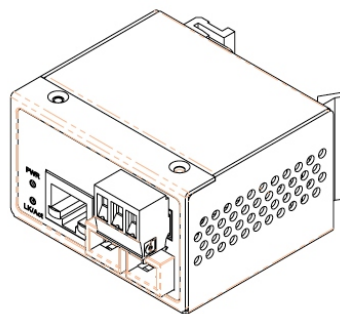
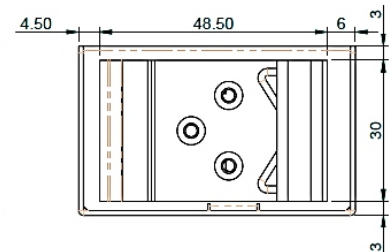
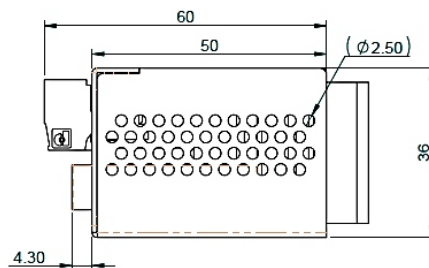
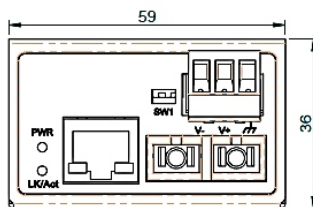
Panel Mount



Din-Rail Mount



Dimensions (unit = mm)



Specifications

Technology

Standards	IEEE 802.3 10Base-T Ethernet IEEE802.3x Flow Control and Back Pressure	IEEE 802.3u 100Base-TX Fast Ethernet
Data Processing	Store and Forward	
Flow Control	IEEE 802.3x Flow Control and Back Pressure	

Properties

Architecture	Full wire speed conversion, Transparent conversion to 802.1Q VLAN tagged packets.	
Removable Terminal Block	3 pin contact terminal block for power input Wire range: 0.34mm ² to 2.5mm ² Stranded wire(AWG): 12-24/14-22 Solid wire (AWG):12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm	
MAC address Table Size	1K	
Packet Buffer Size	1Mbits	

Interface

Network Connector	1 x RJ-45 10/100BaseT(X) Auto negotiation, Auto MDI/MDI-X function, Full/Half duplex 1 x 100M SC Single-Mode 30 km	
LED Indicators	PWR(Power)(Green): ON Power is detected LK/Act (Green): ON - Fiber is detected Flashing Data is transmitting/receiving RJ-45 port Green: ON - TX link is detected Flashing TX data is transmitting/receiving Amber: ON 100M speed is detected OFF - 10M speed is detected	
DIP Switch	DIP1: ON - Converter Mode OFF Switch Mode (Default) DIP2: ON - LFP enable OFF - LFP disable (Default) LFP(Link OFF - 10M speed is detected Fault Pass Through)	

Power Requirements

Power Input	18V-36VAC, 12V-60VDC, DC Jack terminal cable supported (DC Barrel Connector)	
Overload Current Protection	Present	
Reverse Polarity Protection	Present	
Power Consumption	Full Load: 1.92Watts at 48VDC	
Connector protection	ESD protection diodes on TX port	
Conformance to UL Standards	Use Isolated power supply to conform with UL 508 standard	

Mechanical Characteristics

Housing	IP30 Design, high graded Aluminum	
Case Dimension (L X W X D)	59 x 36 x 50 mm (L x W x D)	
Installation	DIN-Rail mounted, Panel Mounted	

Environmental Limits

Operating Temperature	-40°C~75°C
Storage Temperature	-40°C to 85°C
Operating Humidity	5% to 95% (Non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EMC/EMS	CE, FCC, VCCI
Safety	EN60950-1
Environmental	RoHS, REACH

Ordering Information

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Due to continuous improvement, all product specifications are subject to change without further notice.