HEMC3B-X/HEMC3A-X Series

Industrial Media Converters

Features:

- 2 × 10/100BaseT(X) Port and 1 × 100BaseFX Port
- Multi-mode or Single-mode, with SC or ST Fiber Connector
- -40°C to +75°C Operating Temperature Range Available
- DC 12-48V Dual Redundant Power Supply
- IP30 Din-rail Mounting

Introduction:

The HEMC3B-X/HEMC3A-X series industrial media converters provide industrial grade media conversion between 10/100BaseT(X) and 100BaseFX (SC/ST connectors). With the strengthened EMC grade, the HEMC3B-X/HEMC3A-X media converters are designed for harsh industrial environments while complying with FCC and CE standards. Two operating temperature ranges are supported: -10°C to 60°C and -40°C to 75°C. SC and ST fiber connection types are supported for either multi-mode or single- mode for different applications. Reverse polarity protection is supported.

Specifications:

Ethernet Interface		
10/100BaseT(X) Ports (RJ45 Connector)	2 Ports, Full/Half Duplex Mode; Auto MDI/MDI-X Adaptive; Auto Negotiation Speed	
10/100BaseFX Port	1 Port, SC/ST; Multi-mode / Single-mode	
Standards	IEEE802.3, IEEE802.3i, IEEE802.3u, IEEE802.3x	
Optical Fiber		
Mode	Multi-mode	Single-mode
Transmission Distance	2km	20km
Center Wavelength	1310nm	1310nm
TX Power	-5 ~ -13dBm	-5 ~ -15dBm
RX Power	⩾-32dBm	⩾-32dBm
Transmission Rate	100Mbps	100Mbps
Power Requirements		
Input Voltage	DC 12-48V Redudant Dual Input	
Power Consumption	Standby < 3W, Full load < 5W	
Input Connection	Industrial Phoenix Terminal	
Reverse Polarity Protection	Supported	

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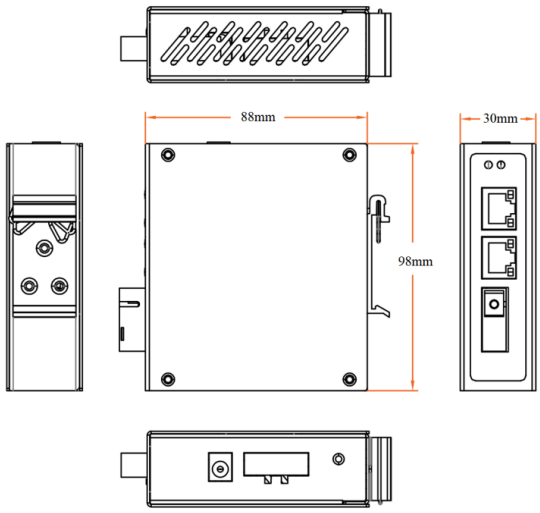
Physical Characteristics	
Case	Metal Enclosure, IP30 Design
Dimensions (Width × Height × Depth)	1.2" × 3.9" × 3.5" (30mm × 98 mm × 88 mm)
Installation	DIN-rail Mounting
Environment Limits	
Operating Temp	HEMC3B-X Series: -10°C to 60°C (+14°F to 140°F) HEMC3A-X Series: -40°C to 75°C (-40°F to 167°F)
Storage Temp	-40°C to 85°C (-40°F to 185°F)
Ambient Relative Humidity	5% to 90% (Non-condensing)
Standards and Certifications	
EMI	FCC Part15, CISPR (EN55022) Class A
EMS	Lightning Protection: 6KV 8/20us IEC61000-4-2 (ESD) Level 3, IEC61000-4-3 (RS)Level 3, IEC61000-4-4 (EFT)Level 3, IEC61000-4-5 (Surge) Level 3, IEC61000-4-6 (Radio Frequency Transmission) Level 3, IEC61000-4-8 (Power Frequency Magnetic Field) Level 3, IEC61000-4-9 (Pulsed Magnet Field) Level 3, IEC61000-4-10 (Damped Oscillation) Level 3, IEC61000-4-12/18 (Shockwave)Level 3, EC61000-4-16 (Common-modeTransmission) Level 3, IEC61000-6-2 (Common Industrial Standard)
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Warranty	
Warranty Period	5 years

Dimension Drawing:



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Ordering Information

HEMC3B-X-SC	Din-rail Unmanaged, 2 x 100Mbps Copper Por, 1 x 100Mbps Fiber Port, Multi-mode 2km, SC Interface, Industrial Temperature: -10°C to 60°C, Power Supply 12~48VDC,
HEMC3B-X-ST	Din-rail Unmanaged, 2 x 100Mbps Copper Por, 1 x 100Mbps Fiber Port, Multi-mode 2km, ST Interface, Industrial Temperature: -10°C to 60°C, Power Supply 12~48VDC
HEMC3B-X-SSC	Din-rail Unmanaged, 2 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20km, SC Interface, Industrial Temperature: -10°C to 60°C, Power Supply 12~48VDC
HEMC3B-X-SST	Din-rail Unmanaged, 2 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20km, ST Interface, Industrial Temperature: -10°C to 60°C, Power Supply 12~48VDC
HEMC3A-X-SC	Din-rail Unmanaged, 2 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2km, SC Interface, Industrial Temperature: -40°C to 75°C, Power Supply 12~48VDC
HEMC3A-X-ST	Din-rail Unmanaged, 2 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2km, ST Interface, Industrial Temperature: -40°C to 75°C, Power Supply 12~48VDC
HEMC3A-X-SSC	Din-rail Unmanaged, 2 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20km, SC Interface, Industrial Temperature: -40°C to 75°C, Power Supply 12~48VDC
HEMC3A-X-SST	Din-rail Unmanaged, 2 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Signle-mode 20km, ST Interface, Industrial Temperature: -40°C to 75°C, Power Supply 12~48VDC
Other models are available upon request.	

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