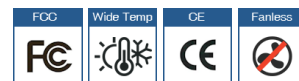


HEMC3 Series

Industrial 10/100BaseT(X) to 100BaseFX Media Converters

Features

- 10/100BaseT(X) auto-negotiation and auto-MDI/MDI-X
- Redundant dual power input
- Designed for hazardous locations (Class 1 Div. 2)
- Multi-mode or single-mode, with SC or ST fiber connector
- -40 to +75°C operating temperature range (W models)
- IP30 DIN Rail or Panel Mount



Introduction

The HEMC3 industrial media converters provide industrial grade media conversion between 10/100BaseT(X) and 100BaseFX (SC/ST connectors). The HEMC3's reliable industrial design is excellent for keeping your industrial automation applications running continuously, and each HEMC3 converter comes with a relay output warning alarm to help prevent damage and loss. The HEMC3 media converters are designed for harsh industrial environments, such as in hazardous locations, and comply with FCC, and CE standards. The HEMC3 series is available for models that support an operating temperature from -10 to 60 C, and an extended operating temperature from -40 to +75°C. All HEMC3 series are subject to a 100% burn-in test.

Specifications

Technology	
Standard	IEEE802.3, 802.3u, 802.3x
Processing Type	Store and Forward
Broadcast Storm	Automatic Broadcast Storm Control
Flow Control	Full Duplex Flow Control, Half Duplex Back Pressure Control
Protocols	CSMA/CD (Carrier Sense Multiple Access/Collision Direct)
Switch Properties	
MAC Table Size	1K
Interface	
RJ45 Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Optical Ports	100BaseFX ports (SC/ST/LC connector)
LED Indicators	Power, Port Status, 10/100M
Power Requirements	
Input Voltage	12~36VDC @ 3.5W MAX 10~24VAC @ 3.5VA MAX
Input Connection	Standard four terminal power input

Physical Characteristics

Case	Slim Metal Case, IP30 Design
Dimensions	29×89×85.6mm
Installation	DIN Rail or Panel Mounting

Optical Fiber

Mode	Multi-mode	Single Mode
Transmission Distance	2km	20km
Centre Wavelength	1310nm	1310nm
Cable Size	62.5/125um	9/125um
TX Power(dBm)	-20 to -10dBm	-15 to -8dBm
RX Power(dBm)	< -32dBm	< -32dBm
Transmission Rate	100Mbps	100Mbps

Environment Limits

Operating Temp	Standard Models: -10°C to 60°C Wide Temp. Models: -40°C to 75°C
Storage Temp	-40°C to 85°C
Ambient Relative Humidity	5 to 95%(Non-condensing)

Standards and Certifications

EMI	FCC Part15, CISPR(EN55022) Class A
EMS	EN61000-4-2(ESD) Level 3, EN61000-4-3(RS) Level 3, EN61000-4-4(EFT) Level 3, EN61000-4-5(Surge) Level 3, EN61000-4-6(CS) Level 3, EN61000-6-2
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

Warranty

Warranty Period	3 years
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Ordering Information

HEMC3-SC-VL	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2KM, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SC-VLW	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SSC-VL	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode Fiber Port with SC Connectors, 20KM, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SSC-VLW	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode Fiber Port with SC Connectors, 20KM, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC3-ST-VL	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Multi-Mode Fiber Port with ST Connectors, 2KM, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC3-ST-VLW	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Multi-Mode Fiber Port with ST Connectors, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SST-VL	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode Fiber Port with ST Connectors, 20KM, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SST-VLW	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode Fiber Port with ST Connectors, 20KM, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SFC35-VL	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode-Single-Fiber Fiber Port with FC Connectors, 20KM, TX1310nm, RX1550nm, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SFC35-VLW	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode-Single-Fiber Fiber Port with FC Connectors, 20KM, TX1310nm, RX1550nm, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SFC53-VL	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode-Single-Fiber Fiber Port with FC Connectors, 20KM, TX1550nm, RX1310nm, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC3-SFC53-VLW	Ethernet Media Converters, 2 x 100Mbps Copper Port, 1 x 100Mbps Single-Mode-Single-Fiber Fiber Port with FC Connectors, 20KM, TX1550nm, RX1310nm, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC