

Product Information

HEMC2G Series

Industrial Gigabit Ethernet to Fiber Media Converter



Features

- ❖ 10/100/1000BaseT(X) and 1000BaseSFP slot supported
- ❖ -40 to +75°C operating temperature range (W models)
- ❖ Redundant dual power input
- ❖ Designed for hazardous locations
- ❖ IP30 DIN Rail or Panel Mount

Introduction

The HEMC2G industrial Gigabit media converters are designed to provide reliable and robust 10/100/1000BaseT(X) to 1000BaseFx media conversion in harsh industrial environments. The HEMC2G's industrial design is excellent for keeping your industrial automation applications running continuously, and each HEMC2G converter comes with a relay output warning alarm to help prevent damage and loss. All HEMC2G models are subject to a 100% burn-in test, and are available in models that support a standard operating temperature range from -10 to 60°C, and an extended operating temperature range form -40 to +75°C.

Specifications

Technology	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3az, 802.3ab
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 :	10/100/1000BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Optical Ports :	1000BaseFX ports (SC/ST or SFP connector)
LED Indicators :	Power, Port Status, 10/100/1000M
Power Requirements	
Input Voltage :	12~36VDC @ 9W MAX 10~24VAC @ 9VA MAX
Input Connection :	Standard four terminal power input
Physical Characteristics	
Case :	Slim Metal Case, IP30 Design
Dimensions :	29×97.8×83.6mm
Installation :	DIN Rail or Panel Mounting
Optical Fiber	
Mode	Single Mode
Transmission Distance	20km
Centre Wavelength	1310nm
Cable Size	9/125um
TX Power(dBm)	-8~-2dBm
RX Power(dBm)	< -24dBm
Transmission Rate	1000Mbps
Environment Limits	
Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C
Storage Temp. :	-40 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

Ordering Information

HEMC2G

HEMC2G-SC-VL	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Multi-Mode Fiber Port with SC Connector, 2KM, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-SC-VLW	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Multi-Mode Fiber Port with SC Connector, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-SSC-VL	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Single-Mode Fiber Port with SC Connector, 20KM, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-SSC-VLW	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Single-Mode Fiber Port with SC Connector, 20KM, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-ST-VL	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Multi-Mode Fiber Port with ST Connector, 2KM, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-ST-VLW	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Multi-Mode Fiber Port with ST Connector, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-SST-VL	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Single-Mode Fiber Port with ST Connector, 20KM, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-SST-VLW	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Single-Mode Fiber Port with ST Connector, 20KM, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-SFC35-VL	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit 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
HEMC2G-SFC35-VLW	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit 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
HEMC2G-SFC53-VL	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit 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
HEMC2G-SFC53-VLW	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit 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
HEMC2G-SFP-VL	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Fiber Port with SFP Slots, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HEMC2G-SFP-VLW	Ethernet Media Converters, 1 x Gigabit Copper Port, 1 x Gigabit Fiber Port with SFP Slots, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC