

HEMC2G-E Series

2G-port full Gigabit Unmanaged Media Converters with 1 IEEE 802.3af/at PoE+ ports

Features

- Built-in 1 PoE+ ports compliant with IEEE 802.3af/at standards
- Up to 30W output per PoE+ port
- -40 to +75°C operating temperature range (W models)
- Input voltage: 24 to 52VDC
- Accepts RJ45, SC and SFP connectors
- 100% burn in testing



Introduction

The HEMC2G-E Series are full gigabit unmanaged PoE+ Media Converters that come standard with 1 10/100/1000BaseT(X), 802.3af (PoE), and 802.3at (PoE+) compliant Ethernet ports, and up to 1 Gigabit SFP fiber ports. Each POE+ port is able to offer up to 30 watts power for PD device. The power input ranges from 24~52VDC. The switch is installed with Din-rail or panel mount.

Specifications

Technology	
Standard	IEEE802.3, 802.3u, 802.3x, 802.3z, 802.3ab, 802.3af/at
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	Auto-negotiation 10/100/1000Base-T, Full/Half Duplex, Auto-MDI/MDIX
Fiber Ports	100/1000Base-X SFP interface. SFP module is MSA-compliant
PoE+ Pin out	V+, V+, V-, V-, for pin 4, 5, 7, 8 (Midspan)
LED Indicators	PWR, 10/100/1000Mbps, POE+ (1), SFP
Power Requirements	
Input Voltage	24~52VDC: Max 50W (With POE) 24~52VAC: Max 9W (Without POE)
Input Connection	Standard four terminal power input
Physical Characteristics	
Case	Slim Metal Case, IP30 Design
Dimensions	34×65×92mm
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 to -2dBm
RX Power(dBm)	< -24dBm
Transmission Rate	1000Mbps

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

Safety	EN60950, UL60950, IEC60950
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

HEMC2G-E-SFP-VL	Din-rail Unmanaged, 1 x 1000Mbps POE+ Copper Port, 1 x 1000Mbps SFP Fiber Port, Industrial Temperature -10 to +60 °C, Power Input 24~52VDC
HEMC2G-E-SFP-VLW	Din-rail Unmanaged, 1 x 1000Mbps POE+ Copper Port, 1 x 1000Mbps SFP Fiber Port, Industrial Wide Temperature -40 to +75 °C, Power Input 24~52VDC
HEMC2G-E-SC-VL	Din-rail Unmanaged, 1 x 1000Mbps POE+ Copper Port, 1 x 1000Mbps Multi-Mode Fiber Port with SC Connectors, 2km, Industrial Temperature -10 to +60 °C, Power Input 24~52VDC
HEMC2G-E-SC-VLW	Din-rail Unmanaged, 1 x 1000Mbps POE+ Copper Port, 1 x 1000Mbps Multi-Mode Fiber Port with SC Connectors, 2km, Industrial Wide Temperature -40 to +75 °C, Power Input 24~52VDC
HEMC2G-E-SSC-VL	Din-rail Unmanaged, 1 x 1000Mbps POE+ Copper Port, 1 x 1000Mbps Single-Mode Fiber Port with SC Connectors, 20km, Industrial Temperature -10 to +60 °C, Power Input 24~52VDC
HEMC2G-E-SSC-VLW	Din-rail Unmanaged, 1 x 1000Mbps POE+ Copper Port, 1 x 1000Mbps Single-Mode Fiber Port with SC Connectors, 20km, Industrial Wide Temperature -40 to +75 °C, Power Input 24~52VDC