

# Product Information

## 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



Henrich Electronics Corporation

Main Office

Tel: 860-487-9869

Fax: 860-487-9478

www.henrich-inc.com

## Introduction

The HMC2G-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

<b>Technology</b>		<b>Environment Limits</b>	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3z, 802.3ab, 802.3af/at	Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C
Processing Type :	Store and forward	Storage Temp. :	-40 to 85°C
Broadcast Storm :	Automatic Broadcast Storm Control	Ambient Relative Humidity :	5 to 95%(Non-condensing)
Flow Control :	Full Duplex Flow Control, Half Duplex Back Pressure Control	<b>Standards and Certifications</b>	
Protocols :	CSMA/CD (Carrier Sense Multiple Access/Collision Direct)	Safety :	EN60950, UL60950, IEC60950
<b>Switch Properties</b>		EMI :	FCC Part15, CISPR(EN55022) Class A
MAC Table Size :	1K	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
<b>Interface</b>		Shock :	IEC 60068-2-27
RJ45 Port :	Auto-negotiation 10/100/1000Base-T, Full/Half Duplex, Auto-MDI/MDIX	Freefall :	IEC 60068-2-32
Fiber Ports :	100/1000Base-X SFP interface. SFP module is MSA-compliant.	Vibration :	IEC 60068-2-6
PoE+ Pin out :	V+, V+, V-, V-, for pin 4, 5, 7, 8 ( Midspan)	<b>Warranty</b>	
LED Indicators :	PWR, 10/100/1000Mbps, POE+ (1), SFP	Warranty Period :	3 years
<b>Power Requirements</b>			
Input Voltage :	24~52VDC: Max 50W (With POE) 24~52VAC: Max 9W (Without POE)		
Input Connection :	Standard four terminal power input		
<b>Physical Characteristics</b>			
Case :	Slim Metal Case, IP30 Design		
Dimensions :	34×65×92mm		
Installation :	DIN Rail or Panel Mounting		
<b>Optical Fiber</b>			
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		

## Ordering Information

### HEMC2G-E

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