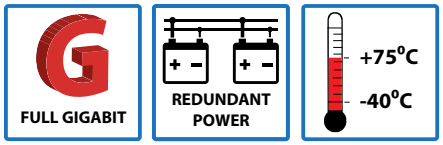
Hardened 2 Port Media Converter
1 Port 10/100/1000TX (RJ45) + 1 Port 1000 SFP

MEDIA CONVERTERS

FC CE



FEATURES

- Supports 1 ports 10/100/1000Base-TX auto-negotiation and auto-MDI/MDI-X
- Supports 1 port 1000Base-X SFP port
- Supports Jumbo Frame up to 10240 Bytes
- Support store and forward transmission
- Alarm Relay output
- Rugged IP-30 housing design
- DIN-Rail or panel mounting
- Wide industrial operating temperature range (-40 to +75°C)

DESCRIPTION

Meridian's MC2GT1GX1SFP-M media converter is a cost-effective solution for the conversion between 10/100/1000Base-TX and 1000 Base-X interfaces, allowing you to extend communication distance by optical fiber.

The MC2GT1GX1SFP-M supports MDI/MDIX auto detection, eliminating the need for crossover cables. The MC2GT1GX1SFP-M has a wide operating temperature range (-40 ~ 75°C) and accepts a wide voltage range from dual 12 ~ 48 VDC power inputs. These operating parameters make it suitable for operation under even the most extreme environments.

Meridian's MC2GT1GX1SFP-M is a highly reliable media converter which can satisfy the most demand of operating environments.

SFP optical modules are available for a variety of optical fiber and connector types.

SPECIFICATIONS

Physical Ports	
10/100/1000 Base-TX Port in RJ45 Auto MDI/MDIX	1
1000Base-FX SFP port	1
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-TX IEEE 802.3z for 1000Base-X
Processing	Store-and-Forward
Jumbo Frame	10240 Bytes

LED indicators	
Power / Ready Indicator	Green : Power LED x 2
Fault Indicator	Amber : Indicate power failure
10/100/1000Base-TX RJ45 Port Indicator	Green for port Link/Act. Amber for 100Mbps indicator
1000Base-X Port Indicator	Green for port Link/Act
Fault Contact	
Relay	Relay output to carry capacity of 1A at 24 VDC
Dip Switch	Relay output function enable / disable by dip switch
Power	
Input Power	Dual 12~48 VDC voltage power input at 6-pin terminal block
Power Consumption (Typ.)	3.5 Watts

Overload Current Protection	Yes
Reverse polarity protection	Yes
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	26.1 (W) x 94.9 (D) x 144.3 (H) mm (1.03 x 3.74 x 5.68 inch)
Weight (g)	380g (0.8 lb)
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1

Ordering Information		
Products	**Part Number**	**Description**
	MC2GT1GX1SFP-M	**Hardened 2 Port Media Converter, 1 Port 10/100/1000TX (RJ45) + 1 Port 1000 SFP**
Recommended Power supplies	**PSH24DC24** **PSH24DC40**	**PSH24DC24 - 24VDC @ 1 Amp (24 Watts)** **PSH24DC40 - 24VDC @ 1.7 Amps (40 Watts)**
SFP Options	**Refer to Optical SFP Data Sheet for complete part numbers and ordering information**	

Packing List	
MC2GT1GX1SFP-M	**1**
Wall-Mount Kit	**1**
Quick Installation Guide	**1**
Din-Rail Mounting Kit	**1**