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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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10/100/1000Base-TX to Gigabit SFP Hardened Media Converter

Model EIR-G-SFP-T

B+B SMARTWORX

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PRODUCT FEATURES

- Complies with NEMA TS1 & TS2 environmental requirements for traffic control equipment
- Complies with IEC61000-6-2 EMC generic standard immunity for Industrial environment
- DIP switch configuration for "Link-Fault-Pass-Through", link down alarm
- 1000Mbps-Full-duplex, Auto-Negotiation, Auto-MDI/MDIX
- SFP socket for Gigabit fiber optic expansion
- Full wire-speed forwarding rate
- Alarms for power and port link failure by relay output
- Redundant power inputs with terminal block and DC Jack
- -40°C to 75°C (-40°F to 167°F) operating temperature range
- Hardened aluminum case
- Supports DIN-Rail or Panel Mounting installation

Model EIR-G-SFP-T, Gigabit Ethernet media converter, is designed to operate in harsh environments. The EIR-G-SFP-T functions at temperatures ranging from -40 to 75°C (-40°F to 167°F) and is tested for functional operation @ -40 to 85°C (-40°F to 185°F).

Whether on the factory floor or the street corner, the Model EIR-G-SFP-T will provide flawless communications when you need it most. EIR-G-SFP-T offers a 1000Base SFP socket to support multi-mode/single-mode fiber optics. The RJ-45 port on this unit supports auto-MDIX and auto-negotiation. The Link-Fault-Pass-Through feature allows the network management agent on adjacent equipment to react to a broken link.

Flexibility is the main feature of the EIR-G-SFP-T. It may be DIN rail or panel mounted, and comes with power options to match applications that require a tough, environmentally hardened, Gigabit Ethernet media converter.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
EIR-G-SFP-T	Hardened Media Converter, 1000Base-T to Gigabit SFP

** Gigabit SFP of any wavelength. SFP fibers sold separately
- available at: www.advantech-bb.com

ACCESSORIES

MDR-40-24 - DIN Rail Mount Power Supply, 24VDC, 1.7 A output power

All product specifications are subject to change without notice.

EIR-G-SFP-T_3017ds

10/100/1000Base-TX to Gigabit SFP Hardened Media Converter

Model EIR-G-SFP-T



SPECIFICATIONS

ETHERNET TECHNOLOGY	
Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/1000Base-LX IEEE802.3x
Forward & Filtering Rate	1,488,100pps for 1000Mbps
INTERFACE	
Ethernet Ports	1 - 10/100/1000Base-TX 1 - Gigabit SFP
LED Indicators	Per Unit: Power Status (Power1, Power2, Power3, Fault), LFPT Per Port: 10/100/1000TX: Link/Activity, Speed, Full-duplex/Collision Gigabit SFP: Link/Activity
Alarm Contact	One relay output with current 1A @ 30VDC, 0.5A@120VAC
MECHANICAL	
Enclosure	Aluminum case, IP30
Dimensions	5.00 cm x 11.0 cm x 14.10 cm (1.97 x 4.33 x 5.55 inches)
Weight	0.8Kg (1.76lbs.)
Installation	DIN-Rail (Top hat type 35mm), Rack Mounting (Optional)
Operating Temperature	-40°C to 75°C (-40°F to 167°F) Tested @ -40°C to 85°C (-40°F to 185°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Ambient Relative Humidity	5% to 95% (non-condensing)
MEANTIME BEFORE FAILURE	
MTBF	348518 hours

POWER	
Input Voltage	Dual 12 to 48VDC (Terminal Block); 12VDC (DC Jack)
Power Consumption	10.56W, 0.88A @ 12VDC, 0.44A @ 24VDC, 0.22A @ 48VDC
Overload Current Protection	Present
Reverse Polarity Protection	Present
REGULATORY APPROVALS	
Safety	EN60950-1, IEC60950-1
EMI	FCC Part 15, Class A VCCI, Class A EN61000-6-3: EN55022, EN61000-3-2, EN61000-3-3
EMS	EN61000-6-2 EN61000-4-2 (ESD Standards) Contact: +/- 4KV; Criteria B Air: +/- 8KV; Criteria B EN61000-4-3 (Radiated RFI Standards) 10V/m, 80 to 1000MHz; 80% AM Criteria A EN61000-4-4 (Burst Standards) Signal Ports: +/- 4KV; Criteria B D.C. Power Ports: +/- 4KV; Criteria B EN61000-4-5 (Surge Standards) Signal Ports: +/- 1KV; Line-to-Line; Criteria B D.C. Power Ports: +/- 0.5KV; Line-to-earth; Criteria B EN61000-4-6 (Induced RFI Standards) Signal Ports: 10Vrms @ 0.15-80MHz; 80% AM Criteria A D.C. Power Ports: 10Vrms @ 0.15-80MHz; 80% AM Criteria A EN61000-4-8 (Magnetic Field Standards) 30A/m @ 50, 60Hz; Criteria A
Environmental Test Compliance	IEC60068-2-6 Fc (Vibration Resistance) 5g @ 10-150KHz, Amplitude 0.35mm (Operation/Storage/Transport) IEC60068-2-27 Ea (Shock) 25g @ 11ms (Half-Sine Shock Pulse; Operation) 50g @ 11ms (Half-Sine Shock Pulse; Storage/Transport) IEC60068-2-32 Ed (Free Fall) 1M (3.281ft.)
NEMA	NEMA TS1/2 Environmental requirements for Traffic control equipment

MECHANICAL DIAGRAM

(dimensions in inches & centimeters)

