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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

Model EIR-G-SFP-T

B+B SMARTWORX

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www.advantech-bb.com



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.

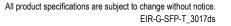
Flexibility is the main feature of the EIR-G-SFP-T. It may be DIN rail or panel mounted, and comes with power options to match applications that require a tough, environmentally hardened, Gigabit Ethernet media converter.

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





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

Model EIR-G-SFP-T

SPECIFICATIONS

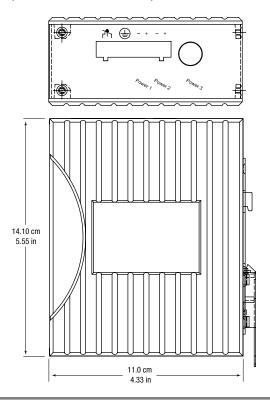
ETHERNET TECHNOLOGY		
Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/1000Base-LX IEEE802.3x	
Forward & Filtering Rate	1,488,100pps for 1000Mbps	
INTERFACE		
Ethernet Ports	1 - 10/100/1000Base-TX 1 - Gigabit SFP	
LED Indicators	Per Unit: Power Status (Power1, 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 FA	ILURE	
MTBF	348518 hours	

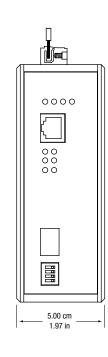
Input Voltage	Dual 12 to 48VDC (Terminal Block); 12VDC (DC Jack)	
Power Consumption	10.56W, 0.88A @ 12VDC, 0.44A @ 24VDC, 0.22A @ 48VDC	
Overload Current Protection	Present	
Reverse Polarity Protection	Present	
REGULATORY APPROVALS		
Safety	EN60950-1, IEC60950-1	
EMI	FCC Part 15, Class A VCCI, Class 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; Criteri 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)

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B-B SMARTWORX orders@advantech-bb.com AD\ANTECH support@advantech-bb.com

Corporate Headquarters: 707 Dayton Road, PO Box 1040 Ottawa, IL 61350 USA 815-433-5100 Fax 433-5104 European Office: Westlink Commercial Park, Oranmore Co. Galway Ireland +353 91 792444 Fax +353 91 792444