



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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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





Industrial Grade 10/100/1000 Miniature Media Converters

IE-Giga-MiniMc



PRODUCT FEATURES

- Connects 10/100/1000 Mbps copper to 1000 Mbps fiber
- For use in extended temperature environments
- Cascading power on DIN rail installations
- Dual USB power cable (optional)
- NEMA TS2 (select models)

Media conversion is the most cost-effective and flexible solution for implementing new technologies on legacy wiring plants and equipment. But even reasonably-priced media converters can tack on a substantial sum to networking costs. And space constraints can also be an issue when hundreds of conversions are required.

Measuring less than 3.5 inches deep and 2 inches wide, and having both data connections on the same side of the unit — the IE-Giga-MiniMc is the industry's smallest media converter at a fraction of the cost of other alternatives.

With Plug-and-Play, Auto Negotiation and AutoCross operation, extreme operating temperatures (-25° to +85° C), DC or AC power, the IE-Giga-MiniMc miniature media converter is easy and convenient to use.

ACCESSORIES

- 806-39105 - DIN Rail Clip
- 806-39638 - Double-USB Power Cable, 36"/.9m
- 806-39650 - 12"/.3m Barrel-Connector Power Cable
- 850-13086 - IE-PowerTray/18-AC (-20°C to +70°C), 18-slot AC powered chassis
- 895-39229 - Wall Mount Bracket
- 806-39753 - IE-Power/5V Module, AC to DC DIN Rail Power Adapter

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-Giga-MiniMc TX/FX SX or LX					
856-18830	MM850-SC	1	220/550 m	1	RJ45
856-18831	SM1310-SC	1	15 km	1	RJ45
856-18832	SM1310/PLUS-SC	1	30 km	1	RJ45
856-18833	SM1550/LONG-SC	1	80 km	1	RJ45
856-18834	SM1550/XLONG-SC	1	100 km	1	RJ45
IE-Giga-MiniMc TX/FX SX or LX - NEMA TS2 rated; modular versions without AC adapter					
854-18830	MM850-SC	1	220/550 m	1	RJ45
854-18831	SM1310-SC	1	15 km	1	RJ45
SINGLE STRAND FIBER *					
856-18835	SSLX-SM1310-SC	1	15 km	1	RJ45
856-18836	SSLX-SM1550-SC	1	15 km	1	RJ45
856-18825	SSBX-SM1310-SC	1	10 km	1	RJ45
856-18826	SSBX-SM1490-SC	1	10 km	1	RJ45
856-18837	SSLX-SM1310/PLUS-SC	1	40 km	1	RJ45
856-18838	SSLX-SM1550/PLUS-SC	1	40 km	1	RJ45
856-18827	SSBX-SM1310/PLUS-SC	1	30 km	1	RJ45
856-18828	SSBX-SM1490/PLUS-SC	1	30 km	1	RJ45
856-18839	SSLX-SM1510/LONG-SC	1	70 km	1	RJ45
856-18840	SSLX-SM1570/LONG-SC	1	70 km	1	RJ45

* These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

IE-Giga-MiniMc also available in CWDM Fiber. Call for details.

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IE-Giga-MiniMc



SPECIFICATIONS

TECHNICAL

IEEE 802.3 10Base-T twisted pair
IEEE 802.3u 100Base-TX twisted pair
IEEE 802.3ab 1000Base-T twisted pair
IEEE 802.3z 1000Base-LX or SX fiber
MTU: Supports Jumbo Frames up to 10240 bytes
Extended temperature range (DC configuration)
Plug-and-play operation
Accepts RJ45 and SC connectors
50/125µm or 62.5/125µm multi-mode fiber
9/125µm single-mode fiber Single-strand fiber and CWDM models
4-terminal DC power with a pair of input terminals and a pair of output terminals for cascading power on DIN installations
Country-specific, high-reliability power adapter
Auto Negotiation, Auto-Cross for MDI/MDIX
Layer 2 packet switching, store and forward (forwarding rate: 14,881 pps for 10 Mbps, 148,810 pps for 100 Mbps, 1,488,096 pps for 1000 Mbps)
Status LEDs
Supports DIN Rail mounting

MECHANICAL

Dimensions	0.83"H x 1.80"W x 3.35"D (2.11 x 4.57 x 8.51 cm)
Shipping Weight	0.7 lbs (.317 kg)

POWER

AC Adapter	100 to 240 ±10% VAC input, 5 VDC @ 2.0 A max
DC Input Voltage	7 to 50 VDC @ 2.5 watts, Chassis grounded to negative terminal

ENVIRONMENTAL

Operating Temperature: DC terminal block	-13°F to +185°F (-25°C to +85°C)
Operating Temperature: AC Adapter	+14°F to +122°F (-10°C to +50°C)
Storage Temperature:	-31° F to +167° F (-35° C to +75° C);
Operating Humidity	5% to 95% (non-condensing)

REGULATORY APPROVALS

FCC Class B
UL/cUL, CSA, CE
NEMA TS2 (select models)

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

