

Industrial Grade Giga Media Converter, Model SC12FEISG



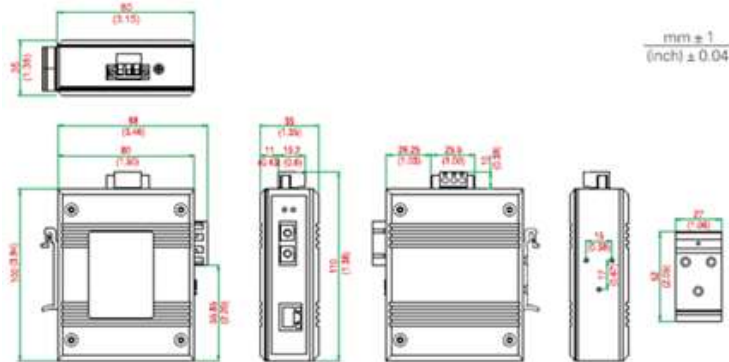
SC12FEISG support 1 of 10Base-T/100Base-TX/1000 Base-TX port and 1 of 1000Base-FX Fiber port. It supports industry standard design, IP40 protection, rugged high-strength metal case, 12 to 48VDC power supply input, -40 to 85°C working temperature etc.

With 10/100/1000 Mbps, Auto Negotiation, it extends the transmission distance from 100m to many Km's easily. It can be widely used in the field of Power, Railways, Mines, CCTV Surveillance and other industrial automation fields

Specifications

Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z		
	IEEE 802.3x Flow Control & Back Pressure		
OPTICAL PORT		Multimode	Single Mode
	Wavelength (nm)	1310	1310 1550
	Distance (Km)	2	0 to 20/ 40 80/100
	Transmit Power (dbm)	-6 to -1	-9 to 3 -2 to 3
	Sensitivity (<dbm)	-21	-23 -23
	Light Saturation (dBm)	-0	-3 -3
	Optical Loss (dBm/Km)	0.5	0.3 0.25
	Fiber Cable (µm)	50/125, 62.5/125	8.3/125, 9/125, 10/125
	Connector	SC, ST	
	Data Rate	1000M	
Ethernet Port	Data Rate	10/100/1000 Mbps Auto Negotiating, MDI-X	
	Connector	RJ45	
Switching Characteristics	Forwarding Rate	1,488,100pps	
	Transmission Mode	Store & Forward	
	Bandwidth	12G	
	MAC Address	16K	
	MAC Buffer	1M	
Power	Frame / Packet Size	10K	
	Input Voltage	10.8 to 52V DC, 175 mA @ 24V	
	Power Consumption	2.4W. 100mA@24V DC	
	Connector	3 Pin Pluggable Terminal Block	
	Protection	Reverse Polarity	
LED	Protection	Overload	
		PWR, FDX	
Operating Conditions	Operating Temperature	-40 to 85°C	
	Storage Temperature	-40 to 85 °C	
	Humidity	5 to 95% non condensing	
	MTBF	> 500,000 hrs	
Mechanicals	Mounting	DIN Rail	
	Dimensions (mm)	150 * 100 * 37	
	Weight	360g	
	Class	IP40	

Dimensions



Approvals Tested For

Emission Measurement

Radiated Emission	EN 55022: 2010+AC: 2011
Conducted Disturbance	EN 55022: 2010+AC: 2011

Immunity Measurement

Electrostatic Discharge	EN 55024: 2010 EN 61000-4-2: 2009
RF Field Strength Susceptibility	EN 55024: 2010 EN 61000-4-3: 2006 +A1: 2008+A2: 2010
Electrical Fast Transient/Burst Test	EN 55024: 2010 EN 61000-4-4: 2012
Surge Test	EN 55024: 2010 EN 61000-4-5: 2014
Conducted Susceptibility Test	EN 55024: 2010 EN 61000-4-6: 2014
Power Frequency Magnetic Field Susceptibility Test	EN 55024: 2010 EN 61000-4-8: 2010

Model No Selection SC12FEISG M/SXXX SC/ST

SC12FEISG	: Base Model. Industrial Grade Giga Media Converter
M / S	: M : Multimode, S : Singlemode.
XXX	: Distance in Km. 020 km as default in Singlemode
SC/ST	: Connector type SC/ST