

Industrial Grade Giga Media Converter, Model SC12FEISG



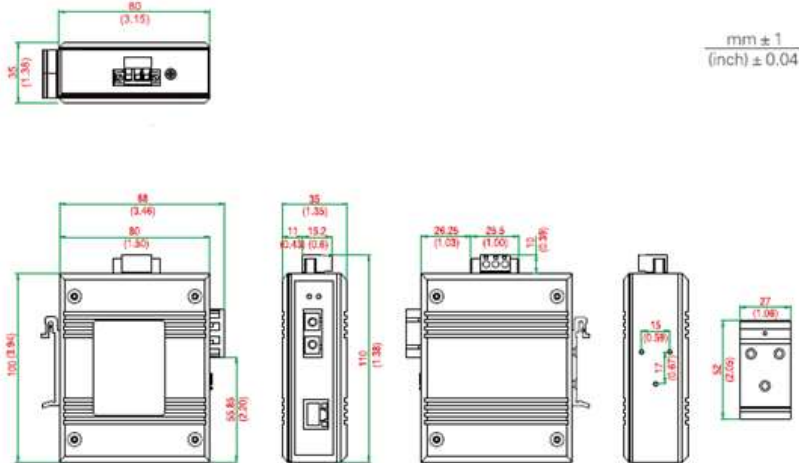
SC12FEISG support 1 of 10Base-T/100Base-TX/1000 Base-TX port and 1 of 1000Base-FX Fiber port. It supports industry standard design, IP40 protection, rugged high-strength metal case, 12 to 48VDC power supply input, -40 to 85°C working temperature etc.

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, FC | |
| | 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 AA

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