

10/100M Unmanaged Industrial Fiber Media Converter

PG-GYF200B

Introduction

This industrial media converter is specially designed for industrial application, which provides fast and stable media conversion between 10/100BaseTX and 100BaseFX. It also meets the requirements of long distance, high speed, and wide broadcast.

With wide range operation temperature, alloy aluminum shell and other excellent industrial-grade design against vibration and shock, it could keep your industrial automation applications running continuously in different harsh environments.

Image



Features & Benefits

- ❖ 1 *10/100Base-TX port and 1*100Base-FX port
- ❖ 10/100M auto-negotiation , Full/Half duplex mode, auto-MDI-MDI-X
- ❖ Super lightening protection, IP40 protection
- ❖ Excellent heat elimination without cooling fan
- ❖ Redundant dual DC power inputs
- ❖ -40°C -85°C operating temperature range

Switch Properties

- ❖ MAC Table Size: 2K
- ❖ Packet Buffer Size: 1Mbit
- ❖ Processing Type: Store and Forward
- ❖ Exchange Properties: 148800pps (100M)

Physical Characteristics

- ❖ Housing: Aluminum Alloy material with IP40 Protection
- ❖ Dimension: 138mm(L) X 112mm(W) X 42mm(H)
- ❖ Weight: 480g
- ❖ Installation: Din-Rail mounting, Wall mounting

Interfaces

- ❖ 1 RJ45 Port
 - Comply with IEEE802.3, IEEE802.3u, 10/100Base-TX
 - 10/100Base-TX auto negotiation speed
 - Auto MDI-MDI-X connection
 - Up to 100M Cat-5 transmission distance

- ❖ 1 Fiber Port
 - Comply with IEEE802.3u, 100Base-FX
 - Rate: 100Mbps
 - Wavelength: 1310nm/1550nm
 - Full/Half duplex mode
 - Up to 2Km transmission distance with multi-mode
 - Up to 20km,40km,60km,80km transmission distance with single-mode
 - SC/ST/FC interfaces optional

- ❖ LED Indicator
 - Per Unit: Power Status (Power 1, Power 2, Fault), Link-Fault-Pass Through
 - Per-Port: 10/100TX: Link/Activity, Full Duplex/Collision Speed
 - 100FX, Link/Activity, Full Duplex/Collision

Power

- ❖ Input Voltage: 24V DC(18-36VDC), Redundant dual inputs
- ❖ Input Current: <0.5A @24VDC
- ❖ Overload Current Protection: Present
- ❖ Reverse Polarity Protection: Present
- ❖ Redundant Protection: Present
- ❖ Connection: 1 removable 6-pin terminal blocks

Environmental Limits

- ❖ Operating Temperature: -40°C -85°C
- ❖ Storage Temperature: -40°C -85°C
- ❖ Ambient Relative Humidity: 5%-95% (non-condensing)

Standards

- ❖ Safety: UL 60950-1

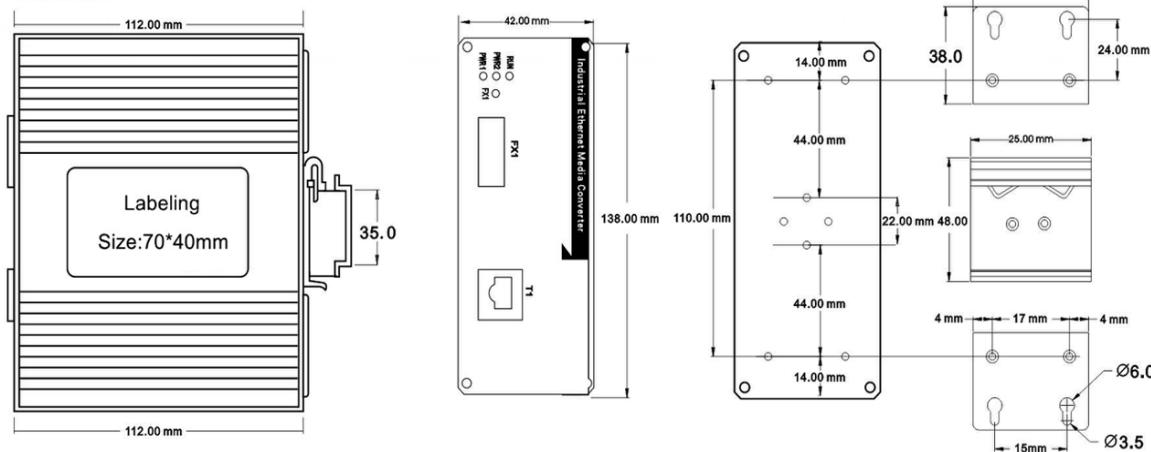
- ❖ **EMS:**
 - EN61000-4-2 (ESD), Level 3
 - EN61000-4-3 (RS), Level 3
 - EN61000-4-4 (EFT), Level 3
 - EN61000-4-5 (Surge), Level 3
 - EN61000-4-6 (CS), Level 3
- ❖ **Shock: IEC 60068-2-27**
- ❖ **Free Fall: IEC 60068-2-32**
- ❖ **Vibration: IEC 60068-2-6**
- ❖ **EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A**
- ❖ **Industry: IEC61000-6-2**
- ❖ **Rail: EN50155, EN50121-4**
- ❖ **Traffic: NEMA TS-2**

Warranty

5 years

Dimension

Units:mm



Models Available

Model No	Description
Dual Fiber(Duplex)	
PG-GYF200B-MD	Multi-mode; 2Km; SC/ST/FC interfaces optional
PG-GYF200B-SD	Single-mode; 20Km; SC/ST/FC interfaces optional
PG-GYF200B-SD40	Single-mode; 40Km; SC/ST/FC interfaces optional
PG-GYF200B-SD60	Single-mode; 60Km; SC/ST/FC interfaces optional
PG-GYF200B-SD80	Single-mode; 80Km; SC/ST/FC interfaces optional

Single Fiber(Simplex)

PG-GYF200B-MS	<i>Multi-mode; 2Km; SC/ST/FC interfaces optional</i>
PG-GYF200B-SS	<i>Single-mode; 20Km; SC/ST/FC interfaces optional</i>
PG-GYF200B-SS40	<i>Single-mode; 40Km; SC/ST/FC interfaces optional</i>
PG-GYF200B-SS60	<i>Single-mode; 60Km; SC/ST/FC interfaces optional</i>
PG-GYF200B-SS80	<i>Single-mode; 80Km; SC/ST/FC interfaces optional</i>