

10/100/1000M Unmanaged Industrial Fiber Media Converter

BSD-IGC-301GM

Introduction

This industrial media converter is specially designed for industrial application, which provides fast and stable media conversion. 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

- ✓ 2 10/100/1000Base-T(X) port and 1 1000Base-SX/LX/LH/ZX fiber port
- ✓ 10/100/1000M auto-negotiation, Full/Half duplex mode, auto-MDI-MDI-X
- ✓ Super lightning 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: 8K
- ✓ Packet Buffer Size: 1Mbit
- ✓ Processing Type: Store and Forward
- ✓ Exchange Properties: 1488000pps (1000M)

Physical Characteristics

- ✓ Housing: Aluminum Alloy material with IP40 Protection
- ✓ Dimension: 98mm(L) X 78mm(W) X 32mm(H)
- ✓ Weight: 270g
- ✓ Installation: Din-Rail mounting, Wall mounting

Interfaces

- ✓ 2 RJ45 Port
 - Ø Comply with IEEE802.3, IEEE802.3u, IEEE802.3ab, 10/100/1000Base-T(X)
 - Ø 10/100/1000Base-T(X) auto negotiation speed
 - Ø Full/Half duplex mode
 - Ø Auto MDI-MDI-X connection
 - Ø Up to 100M Cat-5 transmission distance
- ✓ 1 Fiber Port
 - Ø Comply with IEEE802.3z
 - Ø Rate: 1000Mbps
 - Ø Wavelength: 850/nm1310nm/1550nm
 - Ø Up to 550M transmission distance with multi-mode
 - Ø Up to 20km,40km,60km,80km transmission distance with single-mode
 - Ø SC/LC interfaces optional

Power

- ✓ Input Voltage: 24V DC(6-36VDC), 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□-85□
- ✓ Storage Temperature: -40□-85□
- ✓ Ambient Relative Humidity: 5%-95% (non-condensing)

Standards

- ✓ Safety: UL 60950-1
- ✓ EMS:
 - Ø EN61000-4-2 (ESD), Level 3
 - Ø EN61000-4-3 (RS), Level 3
 - Ø EN61000-4-4 (EFT), Level 3
 - Ø EN61000-4-5 (Surge), Level 3
 - Ø 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

Models Available

Model No	Description
Dual Fiber	
<i>BSD-IGC-301GM</i>	<i>multi-mode; 550M; SC/LC interfaces optional</i>
<i>BSD-IGC-301GS20</i>	<i>Single-mode; 20Km; SC/LC interfaces optional</i>