



IGE-C301:

Industrial 1000Base-T to 1000Base-X GbE Media Converter

Key Features

- Support 1000Base-T and 1000Base-SX/LX
- Standalone or composite application
- Support working temperature 0~60°C
- Provide optional -10~60°C AC-DC power adapter
- Provide Chassis or Din Rail installation
- RoHS Compliance

Overview

IGE-C301 is an industrial Gigabit media converter supports two types of media for network connection such as 1000Base-T and 1000Base-SX/LX fiber.

The media converter is used to convert one type media signal to other type equivalent that allows two types of segments to be connected easily and inexpensively. The Converter can be used as a standalone unit or as a slide-in module to the 19" converter rack (up to 10 units) for use at a central wiring closet.

Technical Specifications

- **Standards Compliance:**
IEEE 802.3Z/AB 1000Base-T, 1000Base-SX/LX
- **Data Transfer Rate:** 2000Mbps for Full-duplex at 1000Mbps speed
- **Cable**
 - UTP Cable:** Cat. 5 cable and up to 100m
 - Fiber Cable:**
 - 1000SX: 50/125, 62.5/125, or 100/140m multi-mode
 - 1000LX: G8.3/125, 8.7/125, 9/125 or 10/125m single-mode
- **Flow Control**
 - TP NWay
 - Fiber 1000 Full-duplex at Auto or Force-mode
- **LED Indicator:** GFX LINK, FX FDX, TP LINK, TP FDX, ACT, PWR
- **Hardware Spec**

Feature	Detailed Description
Voltage	1A@+5VDC from CR-1112 Chasis or AC-DC Adapter (Optional, 85~264VAC Input, 5V VDC output, -10~60°C)
Ambient Temperature	0 to 60°C
Humidity	5% to 90%
Dimensions	26.2(H) x 70.3(W) x 94(D) mm
Weight	0.2kg
Installation	Desktop, Chassis, DinRail (Optional)
Safety	Comply with FCC Part 15 Class A & CE Mark Approval
Shock	IEC60068-2-27
Freefall	IEC60068-2-32
Vibration	IEC60068-2-6
Casing	IP20 Protection
Warranty	3 Years

Packing Information

Model	Carton Dimensions(mm)	Pcs/Carton	N.W(KG)	G.W (KG)
IGE-C301SC	500x447x300	30	18	19
IGE-C301SC.S	500x447x300	30	18	19

Order Information

IGE-C301SC	Industrial 1000Base-T to 1000Base-X GbE Media Converter, SC
IGE-C301SC.S10	Industrial 1000Base-T to 1000Base-X GbE Media Converter, SC Single-Mode 10km
IGE-C301SC.S30	Industrial 1000Base-T to 1000Base-X GbE Media Converter, SC Single-Mode 30km
IGE-C301SC.S50	Industrial 1000Base-T to 1000Base-X GbE Media Converter, SC Single-Mode 50km
IGE-C301BS3.S20	Industrial 1000Base-T to 1000Base-X GbE Media Converter, Bidi SC Single-Mode 20km, 1310nm
IGE-C301BS5.S20	Industrial 1000Base-T to 1000Base-X GbE Media Converter, Bidi SC Single-Mode 20km, 1550nm

Optional Accessories

- DRK-35: DIN-RAIL Mounting Kit
- MDR-20-5: 15W/3A DIN-Rail 5VDC Power Supply with universal 85 to 264 VAC input

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