

Mini



CSM-LC0202-SFP

10/100/1000Base-Tx to 1000Base-Fx(SFP)
Unmanaged Media Converter

In today's business environment, flexible and cost-effective solutions are necessary. The implementation of a fiber media converter can provide both cost-effective, flexible solution. With a fiber media converter you can connect different types of media seamlessly and effectively. A fiber media converter is a good alternative of a switch replacement. Network configurations that use a combination of twisted pair and fiber optic media will require fiber optic media converters. The converter allows a network segment to make the transition from UTP to fiber or from fiber to UTP.

Overview

BELLCOMMS's Mini series media converters comply with IEEE802.3z/ab Gigabit Ethernet standard. It supports two types of media for network connection such as 10/100/1000Base-Tx to 1000Base-Fx and connects these two types of segments to operate smoothly. Mini series supports a variety of fiber optic, including multimode and singlemode. Other types of transmission like single-mode single fiber(WDM), CWDM and DWDM are possible thanks to SFP transceiver based media converter. Extend the transmission distance from 500m to 80km.

BELLCOMMS's Chassis-18A/D can contain max 18 pcs Mini series mini-media converters.

Feature

- Complies with IEEE802.3z and IEEE802.3ab standards
- 10/100/1000Mbps and full/half duplex
- Nway Auto Negotiation
- MDI/MDI-X Auto Negotiation
- Compact size 85.1mmD x 45.7mmW x 21.1mmH
- 3 LED lamps for Tx/Fx/Power indicator
- LFP (link fault pass through) function (LLCF,LLR)
- Dip switch for LFP, Jumbo Frame setting etc
- Buzzer/LED for Fx-link status function option
- Jumbo frame 9K/16K is available
- High density on 19" 18 slot rack-mount chassis
- Working wavelengths 850/1310/1550/1490 etc
- Supports multimode or singlemode fiber
- Supports singlemode singlefiber (WDM)
- Supports SC, ST or LC optic-connector
- Supports distance from MM-500m to SM-80km
- Overload Current Protection
- Reverse Polarity Protection
- low-delay time pure data transmission
- Auto-ranging AC or DC power supply
- Class1 laser product complies with EN60825-1
- CE, FCC, RoHS available

Application

- Distributed multi-processing
- Switch to switch interface
- Fiber To The Building (FTTB)
- Fiber To The Home (FTTH)
- Triple Play

*LLCF : Link Loss Carry Forward / Local Loop Back Test (LFS)
*LLR : Link Loss Return / Remote Loop Back Test (LFS)

Technical Indexs

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|------------------------------|---|
| Standard | IEEE Std. 802.3 10Base, 802.3u IEEE802.3z, IEEE802.3ab 850nm (Multimode) 1310nm (Multimode or Singlemode), 1550nm (Singlemode) Tx1310nm/Rx1550nm or Tx1490nm/Rx1550nm (BiDi-A) Tx1550nm/Rx1310nm or Tx1490nm/Rx1550nm (BiDi-B) |
| Wavelength | 8.3/125, 8.7/125, 9/125 or 10/125 singlemode |
| Fiber cable | 50/125 or 62.5/125 multimode |
| Connector | RJ-45 Jack and Fiber optic connectors: LC connector (SFP module) |
| Cable Model and Length | Twisted pair Cat.5/Cat.6 UTP Cable: 100m |
| Data Transfer Rate | 2000Mbps/full-duplex with Nway Auto Negotiation |
| TP | 1000 FDX with MDI/MDI-X Auto Negotiation |
| Fiber | 1000 FDX at AUTO or FORCE mode |
| Indicators | 3 LED lamp for Copper-RJ45 Tx-Link; Fx-link, Power |
| Dip Switch | Buzzer for Fx-link available 1-off/on 1 10/100/1000Mps Auto off/on 2-off 3-off Store and forward model 2-on 3-off Smart pass through model 2-off 3-on Jumbo frame model 2-on 3-on Pass through model 4-off/on LFP(Link Fault-Pass Through) off/on |
| Power supply | DC5V 1A |
| Environmental Specifications | Operating temperature: 14 to 149F (-10 to 65°C) Storage temperature : -4 to 140F (-20 to 70°C) Relative humidity: 5% to 90% |
| Dimensions (H x W x D) | 85.1mmD x 45.7mmW x 21.1mmH |
| MTBF | 100,000 hours |

Compatible with SFP module BELLCOMMS and compatible with brand is CISCO, 3com, Allied Telesyn, LINK, Zyxel with other brand except HP and Linksys brand.

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|-----------------------|------------------------------------|---------------------|--|
| BC-GLC-T | 1000Base-T SFP module | BC-BL3512-10 | SFP 1.25G, WDM, Tx1310/Rx1550nm, SM, 10Km. |
| CTM-LC0500-MM | SFP 1.25G, 850nm, MM 550meters, LC | BC-BL5312-10 | SFP 1.25G, WDM, Tx1550/Rx1130nm, SM, 10Km. |
| CTM-LC02KM-MM | SFP 1.25G, 1310nm, MM 2Km, LC | BC-BL3512-20 | SFP 1.25G, WDM, Tx1310/Rx1550nm, SM, 20Km. |
| CTS-LC0010-SM | SFP 1.25G, 1310nm, SM, 10Km. | BC-BL5312-20 | SFP 1.25G, WDM, Tx1550/Rx1130nm, SM, 20Km. |
| CTS-LC0020-SM | SFP 1.25G, 1310nm, SM, 20Km. | BC-BL3512-40 | SFP 1.25G, WDM, Tx1310/Rx1550nm, SM, 40Km. |
| CTS-LC0040-SM | SFP 1.25G, 1310nm, SM, 40Km. | BC-BL5312-40 | SFP 1.25G, WDM, Tx1550/Rx1130nm, SM, 40Km. |
| CTS-LC0080-SM | SFP 1.25G, 1550nm, SM, 80Km. | BC-BL3512-80 | SFP 1.25G, WDM, Tx1310/Rx1550nm, SM, 80Km. |
| CTS-LC00120-SM | SFP 1.25G, 1550nm, SM, 120Km. | BC-BL5312-80 | SFP 1.25G, WDM, Tx1550/Rx1130nm, SM, 80Km. |