

Mini



10/100/1000Base-Tx to Fiber (Dual / Single Fiber)
Unmanaged Media Converter, LFP function

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 alter native 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 thank's to SFP transceiver based media converter. Extend the transmission distance from 500m to 80km.

BELLCOMMS's CSM-MCC0018-LFP(Chassis) can contains 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 Index

Standard	IEEE Std. 802.3 10Base, 802.3u IEEE802.3z, IEEE802.3ab
Wavelength	850nm (Multimode) 1310nm (Multimode or Singlemode), 1550nm (Singlemode) Tx1310nm/Rx1550nm or Tx1490nm/Rx1550nm (BiDi-A) Tx1550nm/Rx1310nm or Tx1490nm/Rx1550nm (BiDi-B)
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	Buzeer 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

Order Information

Part Number.	Descriptions
CSM-SC0205-LFP	10/100/1000Mbps, Dual Fiber, 850nm-MultiMode, Dual-SC, 550m
CSM-SC0202-LFP	10/100/1000Mbps, Dual Fiber, 1310nm-MultiMode, Dual-SC, 2km
CSM-SC0220-LFP	10/100/1000Mbps, Dual Fiber, 1310nm-SingleMode, Dual-SC, 20km
CSM-SC0240-LFP	10/100/1000Mbps, Dual Fiber, 1310nm-SingleMode, Dual-SC, 40km
CSM-SC0260-LFP	10/100/1000Mbps, Dual Fiber, 1550nm-SingleMode, Dual-SC, 60km
CSM-SC0280-LFP	10/100/1000Mbps, Dual Fiber, 1550nm-SingleMode, Dual-SC, 80km
CSM-SC02100-LFP	10/100/1000Mbps, Dual Fiber, 1550nm-SingleMode, Dual-SC, 100km

Part Number.	Descriptions
CSM-SC0120T-LFP	10/100/1000Mbps, SingleFiber, WDM, Tx1310/Rx1550, Single-SC, 20km
CSM-SC0120R-LFP	10/100/1000Mbps, SingleFiber, WDM, Tx1550/Rx1310, Single-SC, 20km
CSM-SC0140T-LFP	10/100/1000Mbps, SingleFiber, WDM, Tx1310/Rx1550, Single-SC, 40km
CSM-SC0140R-LFP	10/100/1000Mbps, SingleFiber, WDM, Tx1550/Rx1310, Single-SC, 40km
CSM-SC0180T-LFP	10/100/1000Mbps, SingleFiber, WDM, Tx1490/Rx1550, Single-SC, 80km
CSM-SC0180R-LFP	10/100/1000Mbps, SingleFiber, WDM, Tx1550/Rx1490, Single-SC, 80km
CSM-SC01100T-LFP	10/100/1000Mbps, SingleFiber, WDM, Tx1490/Rx1550, Single-SC, 100km
CSM-SC01100R-LFP	10/100/1000Mbps, SingleFiber, WDM, Tx1550/Rx1490, Single-SC, 100km