SKY-GMCMN-LX-2SC

10/100/1000Base-TX(RJ-45) to 1000Base-LX(SC) SMF 1310nm 20km Mini Media Converter

Product Description

This is a mini media converter that converts a 10/100/1000Base-TX(RJ-45) to 1000Base-LX(SC) via a 1310nm single-mode fiber (SMF) SC connector, which allows distance reach up to 20km. This provides a cost effective conversion from 10/100/1000Base-TX(RJ-45) to 1000Base-LX fiber, while extending the network reach beyond the 100m reach limitation of copper and saving space (3.75" x 2.25" x 1"). Our media converters are 100% compliant for all of our networking needs. Now you have a cost effective solution to your network upgrade needs.

Features:

- Ideal for confined spaces, and provides highly cost-effective solutions
- Auto-Negotiation - automatically determines the best connection speed
- Wall mountable using the integrated mounting holes
- Rack mountable using the optional 19 inch 1U rack
- Fast or Gigabit ethernet, SFP or 1X9 transceiver supports single-mode and multimode, single or dual fiber options up to 120km
- 1/2.5G/10Gb LAN to 10G SFP+ port supports Single-mode and
- multimode, single or dual fiber options
- Supports up to 10K Bytes Jumbo Frame
- External 220V to a 5-12V power adapter
- Built-in DIP switch supported including link fault pass-through, auto laser shutdown, port speed setting, etc.

For your product safety, please read the following information carefully before any manipulation of the transceiver:

ESD

This transceiver is specified as ESD threshold 1kV for SFI pins and 2kV for all others electrical input pins, tested per MIL-STD-883G, Method 3015.4 /JESD22-A114-A (HBM). However, normal ESD precautions are still required during the handling of this module.

LASER SAFETY

This is a Class1 Laser Product according to IEC 60825-1:2007. This product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.

Specifications

Parameter	Specifications
Copper LAN Port	1x10/100/1000Base-TX
Fiber Optical Slot	1x1000Base-X SC Connector
Standard	IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x
Jumbo Frame	12K
LEDs	TP/LINK, 1000M, FX/LNK, PWR
Power Input	1
Operating Voltage	5-12VDC
Power Consumption	3W Maximum (100Mb and 1Gb) 5W Maximum (10Gb)
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20˚°C to 70°C (-4°F to 158˚°F)
Humidity	5-95% (Non-Condensing)
Altitude	<3000ml (<10000ft)
MTBF	100,819 Hours
MTBF Standard	Telcordia SR-332 GB 25 25°C
Heat Dissipation	10 BTU/h (100M/1G Models - No SFP) 17 BTU/h (10Gb Models - No SFP+)
Cooling	Passive Cooling
Noise Level	0dBA
Installation	Desktop, Wall Mount, Rack (Requires Optional Rack Chassis)
Weight	0.12kg/0.26lb (Bare Hardware)
Housing	Metal

DIP Switch

DIP Switch	Name	Status	Description
#1	LFP	Off	LFP Disable
		On	LFP Disable
#2	ALS	Off	ALS Disable
		On	ALS Enable
#3	FX Reset	Off	FX Reset Disable
		On	FX Reset Enable
#4	FX Speed Set	Off	Disable
		On	FX 100M

Notes:

1. LFP: Link Fault Pass Through. When enabled, the UTP receiver is passed to the fiber transmitter to make the media convertor appear transparent to the connected end devices. It uses Link Fault Pass Through to indicate when far-end fault issues occur. If a fault occurs, the end device indicates a failure for troubleshooting.
2. ALS: Automatic Laser Shutdown. ALS is a procedure to automatically shut down the laser when there is no input light and to stop emitting optical signals.
3. FX: Optical Fiber Port.
4. FX Reset. When enabled, the PoE will restart if there is no data input to the UTP receiver.

About Skylane Optics

Skylane is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box.