LA-MC2N-10G0101

Miniature 10Gbps Media Converter

Introduction

LA-MC2N-10G0101 is high-performance 10G optical media converter, using Optical - Electrical - Electrical wavelength conversion, realize the optical signal equilibrium amplification, clock extraction and optical regeneration, and with WDM (DWDM/CWDM) technology, can achieve optical signals transmit in a single fiber by single or multiple way over a long distance. On the existing network infrastructure, it can quickly improve the communication capacity, expand the bandwidth, while using low cost and high cost-effective solutions to manage and operate the system, easy operation and maintenance.

Features

- Support Jumbo Frame
- Transparent Transport and very low delay
- Support ITUT prescribed DWDM/CWDM wavelength
- Support Loopback test function
- Support hot plugging
- Support 1U Rack (12 channel) and standalone use
- Full State Led display
- Easy installation

▋ Specification

PART NO	LA-MC2N-10G0101
Transmission Distance	RJ45, Twisted-pa 100Meter standard CAT5/CAT5e cable SFP, Distance depend on plug-in Fiber Transceiver Fiber: MM 500m/2km, SM 20/40/60/80/120km
Transmission Speed	10Gb/s
Protocols	IEEE802.3an (10Gbase-T) IEEE802.3ae (10Gbase-SR/LR/ER/ZR)
Access Type	10G LAN
Interface Type	RJ45 to / from SFP+
Pass Through Mode	10KBytes
DIP Switches	Optional
Maximum Packet Forwarding Rate	14,880,950/S
Environmental Requirement	Operating Temperature: 0℃~50℃ Storage Temperature: -10℃~70℃ Relative Humidity: 5%~90% (Non-condensation) MTBF: 50,000h Enclosure: Metal
Power Supply Specifications and Dimensions	DC: 5V~12V, 1/0.24A Power Consumption: Full-load<5W
	Power consumption≤2W (without module)
Mechanical Structure	Dimensions: 95mm(D)×60mm(W)×20mm(H) Weight: 120g
Warranty	1 Year
Emissions	FCC Class A, CE Class A

▋ Ordering Information

PART NO	DESCRIPTION
LA-MC2N-10G0101	Miniature 10G Media Converter

LA-MC2N-1U12

High Density Chassis 12-Slot Miniature Media Converter Rack

▌ Introduction

LA-MC2N-1U12 is a High Density Chassis 12-Slot Miniature Media Converter Rack, which provides Miniature 10/100Base Fast Ethernet / 1000Base Gigabit Fiber Media Converter, Multi-mode to Single-mode Converter and SFP Fiber Media Converter, as well as 1U height 12 slots media converter rack mount chassis specially designed for accommodating chassis-based Miniature Media Converters. The Miniature Media converter is designed for Space Saving and powered by a single internal universal power supply, eliminating the need for the multiple power connections which associated with multiple converter installations.

The 1U 12 slots media converter rack mount chassis is cost effective and supports dual power DC48V/AC220V. Lanbras offers space saving Miniature Media Conversion in the wiring closet by providing a means for rack space while reducing the number of wall outlet power connections required. The Miniature Media Converters is hot-swappable, which can be removed from the rack, powered externally, and used as stand-alone units in new applications as your network needs change in the future.

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Specification

PART NO	LA-MC2N-1U12
Front Side	12-solts in front for slide-in-modules
Back Side	Two fans and dual power supply AC 100-240V and DC36~72V redundant power
LED Indicators	Fan1, Fan2: Off – No fan operation; On (Red) – Fan active
	PWR1, PWR2: Off – No power available; On (Green) – Power is present
Connectors	Optional for Converters SFP, SFP+ slot, or RJ45 UTP ports AC power receptacle, DC power plug for installed power supplies
Standards	IEEE 802.3, 802.3u, 802.3z, 802.3ab, 802.3ae, 802.3an
Dimensions (L*W*H)	480mm x 270mm x 44.5mm
Power Requirements	AC 100-240V or DC 36~72V, 40W max. power consumption
Environment	Operating Ambient Temperature: 0 to 50°C Operating Humidity: Maximum 85%, Non-condensing Storage Temperature: -20 to 70°C Storage Humidity: Maximum 90%, Non-condensing Indoor rated operating device
Chassis material	Black PVD painted steel
Shipping Weight	3.2Kgs (~7lbs) with dual PS installed
Mounting	19" rack direct installation
MTBF	80,000 hours
Warranty	1 Year
Compliance	FCC Class A, CE Class A

Ordering Information

PART NO	DESCRIPTION
LA-MC2N-1U12	Miniature 12-Slot Media Converter Rack
LA-MC2N-F0101	Miniature Fast Ethernet 10/100Base-TX to 100Base-FX Media Converter
LA-MC2N-G0101	Miniature Full Gigabit 10/100/1000Base-TX to 100/1000Base-FX Media Converter
LA-MC2N-G0102	Miniature Full Gigabit 2x10/100/1000Base-TX to 100/1000Base-FX Media Converter
LA-MC2N-G0201	Miniature 125M~1.25G OEO Converter
LA-MC2N-G0202	Miniature SM to MM OEO Converter
LA-MC2N-10G0200	Miniature 125M~11.7G OEO Converter
LA-MC2N-10G0101	Miniature 10G Media Converter