

# LA-MC2N-G0101

Miniature Full Gigabit 10/100/1000Base-TX to 100/1000Base-FX Media Converter



## Introduction

LA-MC2N-G0101 is a Gigabit Ethernet stand-alone Mini media converter that provides cost effective, entry-level media conversion between 1x10/100/1000Base-TX ports and 100/1000Base-FX ports. With its fixed configuration, deployments are just plug-and-play, and with its small size, it is ideal for locations where space is limited. 1x10/100/1000Base Fiber Media Converter, SFP Fiber Media Converter, Options in single mode dual fiber, multimode dual fiber and single mode single fiber.

We also supply Media Converter Chassis, the 1U height 12 slots media converter rack mount chassis specially designed for accommodating chassis-based mini Media Converters.

## Features

- Unit and Port LEDs allow for quick status information
- Auto-Negotiation
- Fixed Full-Duplex on fiber
- Auto-MDI/MDIX
- Automatic Link Restoration
- Connect to legacy network equipment
- Eliminate Collision Domains
- 10/100/1000Base-TX UTP to 1000Base-FX fiber media converter
- Supports IEEE802.3U IEEE802.3z 1000Base-TX/FX protocols , IEEE802.3ab standards
- SC/FC/ST/LC optional
- DIP switch to set different configurations
- Compact package size
- Supports IEEE802.3x flow control; 100Base-FX interface; auto MDI-MDIX function; LFP function

## Specification

PART NO	LA-MC2N-G0101
Transmission Distance	RJ45, Twisted-pa 100M standard CAT5/CAT5e cable SFP, Distance depend on plug-in Fiber Transceiver Fiber: MM 500m/2km, SM 20/40/60/80/120km
Store-and-Forward Mode	1518Bytes
Pass Through Mode	9KBytes
LFP Mode	Support
DIP Switches	Store and Forward (optional) Pass Through (optional)
Connector	Smart Pass Through (optional)
Operation Mode	Modified Cut Through (optional)
Power Requirement	One UTP RJ-45 connector, one SC/ST connector, one DC-inlet connector
Environmental Requirement	Full duplex or half duplex mode
Mechanical Structure	Operating Voltage DC 5~12V Rated Current: 0.5/0.25A
Warranty	Power Consumption: Full-load<3W
Emissions	Operating Temperature: 0°C~50°C Storage Temperature: -10°C~70°C

## Ordering Information

PART NO	DESCRIPTION
LA-MC2N-G0101	Miniature Full Gigabit 10/100/1000Base-TX to 100/1000Base-FX 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.



## ■ Specification

PART NO	LA-MC2N-1U12
Front Side	12-slots 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-G0200	Miniature 125M~1.25G OEO Converter
LA-MC2N-G0200SM	Miniature SM to MM OEO Converter
LA-MC2N-10G0200	Miniature 125M~11.7G OEO Converter
LA-MC2N-10G0101	Miniature 10G Media Converter