

Feature and Benefits

- Support CAN2.0A and CAN2.0B protocol, conform to the ISO/DIS 11898
- Integrate 1 UTD CAN interface and 1 optical interfaces
- CAN interface supports auto-detect baud rate and user-defined baud rate, the baud rate matches the range of 2.5kb~1Mbps
- CAN interface has electrical isolation protection with 2KVAC isolation voltage
- Port Data Throughput: 1000fps
- Metal casing with IP40 protection
- Support DIN-Rail and wall mounting installation



Overview

LF-MC201 allows you to extend CAN bus communication at distances up to 20 km depending on the type of optical fiber. The converter has an external 5VDC power supply and a wide operating temperature range from -40°C to 75°C which in combination with a metal housing allows it to be used in industrial conditions.

Technical Specification

Fiber Interface

Interface Type: single optical port
Wavelength: 1310nm

CAN Interface

Standards: CAN2.0A, CAN2.0B
CAN Signal: GND, CANL, CANH
Baud Rate: 2.5K ~ 1000K bps
Port Node: Load capacity supports 110 nodes
Interface Protection: 2KVAC isolation protection,
8KV ESD protection (air discharge)

Interface Type: 5PIN terminals

Transmit Distance:

CAN Interface: 40m~10Km
Single-mode Fiber: 0~15Km

CAN channel status indicator

LOS: Network error status indicator
Power indicator Power: Input Voltage: 5VDC

Mechanical Structure

Shell: IP40 protection grade, high-strength metal casing
Installation: Wall-mount and Panel-mount
Weight / Size (HxWxD): 237g / 22mm x 69mm x 10mm
Working Temperature: -40°C ~ 75°C / Storage Temperature: -40°C ~ 85°C

Industry Standards

EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2(ESD), Lece3
Shock: IEC60068-2-27/Free Fall: IEC60068-2-32 / Shake: IEC60068-2-6 Loop Power: 24VDC [18V to 28V]