

MC201

CanBus to Single-Mode Fiber Converter



Features 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

Technical Specification

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

