

Item no.: 386172

## ICF-1171I-S-ST-T - Industrial CAN-to-fiber converter for distance extension, ST single-mode, -40 to

from **514,27 EUR**

Item no.: 386172  
shipping weight: 0.30 kg  
Manufacturer: MOXA



### Product Description

Moxa Industrial CAN to Fiber Optic Converter for Distance Extension w/ Single-mode ST (extended temperature model)  
**Description**  
Introduction  
The ICF-1171I Series CAN-to-fiber converters are used in pairs to connect two CAN 2.0 or two CAN FD devices or networks via single-mode or multi-mode optical fiber. The ICF-1171I provides 2-kV isolation protection for the CAN interface and dual power inputs to ensure that your CANbus system will work uninterrupted.  
**Extend the CAN Bus Transmission Distance**  
The total transmission distance of a CAN 2.0 or CAN FD system can be extended by 2 km (multi-mode fiber) or by 40 km (single-mode fiber) using ICF-1171I converters, regardless of the CAN baudrate.  
**Easily Fulfill Various Communication Scenarios**  
Two CAN 2.0 networks or CAN FD networks can communicate with each other using different baudrates. The ICF-1171I converters can automatically detect the baudrate of the connected CAN 2.0 device and apply the baudrate to itself. Therefore, users do not need to know the baudrate of the connected CAN 2.0 device. This is an extremely convenient feature. Baudrates can also be set to a predefined value via rotary switches.  
**Easily Troubleshoot Communication Issues**  
It is easy to check if an issue exists on the CAN bus or the Fiber link. The ICF-1171I converters are provided with LEDs that indicate the fiber link state, fiber communication status, CAN bus state, and CAN bus communication status.  
**Features**  
- Transmits data for up to 40 km over optical fiber- Converts CAN signals to fiber and vice versa- Supports CAN 2.0A, CAN 2.0B, and CAN FD; conforms with the ISO 11898 standard- CAN 2.0 supports auto-baudrate- CAN 2.0 arbitration rate up to 1 Mbps- CAN FD arbitration rate up to 1 Mbps; data rate up to 5 Mbps- Dual power inputs for redundancy- Wide-temperature model available for -40 to 75°C environments- DIP switch for 120-ohm terminal resistance- Rotary switches for CAN 2.0/CAN FD arbitration and data rate configuration- LEDs for CAN bus diagnostics, fiber diagnostics, and power input status

### Specifications

Scan this QR code to  
view the product  
All details, up-to-date  
prices and availability

