

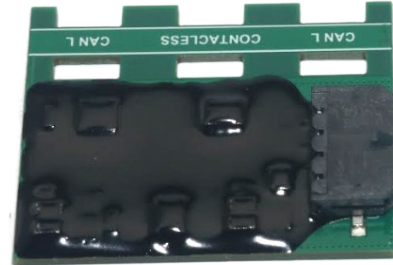
Accessory device

CANBUS Contactless

The inductive CAN reader module allows reading CAN bus traffic without the need for direct electrical connections.

It uses an inductive coupling system that detects CAN High and CAN Low differential signals in a non-intrusive and safe manner.

Ideal for telemetry, vehicle tracking, automotive diagnostics and fleet monitoring applications.



Applications

- ✓ CAN reading in vehicles **without cutting cables**.
- ✓ Installation in **satellite tracking** systems.
- ✓ **Quick diagnostics** on automotive buses.
- ✓ **Machinery monitoring**, industrial and agricultural.

Advantages

- ✓ **Quick installation**, non-invasive.
- ✓ **Compatibility** with a wide range of supply voltages.
- ✓ **Robust encapsulation** for extreme conditions.
- ✓ **Reliable CAN reading**, with no risk of affecting the network.

Electrical Specifications

- **Power supply:** 8 VDC to 90 VDC (wide tolerance: automotive, heavy machinery, industry).
- **Typical consumption:** < 10 mA @ 12 VDC.
- **Reverse polarity protection:** Yes.
- **Overvoltage protection:** up to 100 V transients.

Communication Specifications

- **Supported protocol:** CAN 2.0A and CAN 2.0B.
- **Supported bus speed:** 50 kbps – 1 Mbps.
- **Reading method:** Inductive, without electrical contact.
- **Output connection:** CAN output “passthrough”.

Mechanical Specifications

- **Format:** Compact PCB with protective epoxy encapsulation on one side.
- **Dimensions:** approx. 40 x 35 mm.
- **Mounting:** clip or adhesive onto the CAN bus wiring harness.
- **Weight:** < 20 g.

Environmental Conditions

- **Temperature range:** –40 °C to +85 °C.
- **Protection:** Epoxy encapsulation resistant to vibrations and humidity.

