



# Canimal CAN-USB Transceiver

## Technical Specifications

### CAN Bus

#### CHANNELS

- 3 CAN channels for versatile network configurations.

#### PROTOCOL SUPPORT

- Full implementation of CAN protocol specification v2.0b, supporting both Standard and Extended frames.

#### DATA RATES

- Standard CAN:** Up to 1 Mbit/s
- CAN2 Flexible Data Rate:** Up to 8 Mbit/s

#### PAYLOAD CAPACITY

- Standard CAN:** Up to 8 bytes
- CAN2 Flexible Data Rate:** Up to 64 bytes

#### COMPATIBILITY

- High-speed CAN connection, ISO 11898-2 compliant.

#### CONNECTION INTERFACE

- D-Sub 9-pin connector in accordance with CiA® 106 standards.

#### GROUND ISOLATION

- Ground isolation available upon request; standard models feature non-isolated ground.

## USB Connectivity

#### CONNECTOR TYPE

- USB HS (High Speed) 2.0-C for high-speed data transfer and power delivery.

#### DATA TRANSFER RATES

- Maximum Speed:** 480 Mbit/s (60 MB/s)
- Write Speed:** 25–30 MB/s
- Read Speed:** 30–42 MB/s

#### POWER SUPPLY

- Powered via USB-C, eliminating the need for an external power source.

### Additional Specifications

#### TERMINATION

- Software-selectable termination for flexible network configurations.

#### OPERATING TEMPERATURE RANGE

- 40 °C to 125 °C
- Industrial and extended enclosure options available upon request.

#### TIMESTAMP RESOLUTION

- < 42 μs

