

# CANIMAL CAN-USB Data Sheet



## 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