

iNDUSTREAL

COMPLEX IN MOTION

DATASHEET

iNDUSTREAL.CANGW

CAN GATEWAY



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Introduction

iNDUSTREAL.CGW is a high-speed, dual-channel **CAN-FD to Ethernet gateway** designed for industrial and embedded communication systems.

It features dual opto-isolated CAN-FD channels, Ethernet, WiFi, and USB connectivity, providing a versatile bridge between various networks.

Software-selectable termination allows **flexible integration in diverse CAN networks**. Platform independent drivers and libraries are provided for Windows, Linux, macOS, and embedded systems.

The iNDUSTREAL.CGW is ideal for industrial automation, robotics, and IoT applications requiring fast and reliable CAN-FD data transfer over Ethernet and wireless networks.



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KEY CAPABILITIES

CAN-FD / CAN 2.0:

- Dual opto-isolated channels
- High-speed up to 8 Mbps FD
- Software-selectable termination per channel

Ethernet:

- 100 Mbps, RJ45
- DHCP client and mDNS support

WiFi:

- Access Point or Client mode
- WPA/WPA2 security support

USB: High-speed USB interface

Cross-platform drivers:

- Windows / Linux (x86/ARM) / macOS

POWER & MECHANICAL

- **Input voltage:** Wide industrial range (5-36V DC)
- **Power protection:** Reverse polarity and short-circuit protection
- **Enclosure:** Rugged industrial housing
- **Mounting:** DIN rail or screw mount options

SOFTWARE SUPPORT

- Device drivers and SDKs for all major platforms
- Example applications for CAN-to-Ethernet bridging, logging, and monitoring
- APIs for Python, C/C++, and embedded systems

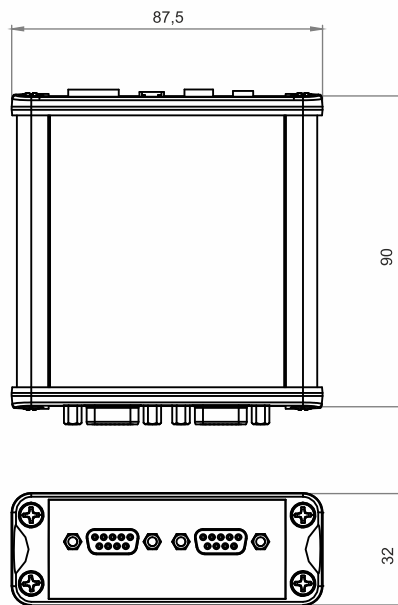
APPLICATIONS

- Industrial automation: PLC to Ethernet/WiFi bridge
- Robotics: CAN-FD data distribution
- IoT/Embedded: Wireless monitoring of CAN networks
- Test & Measurement: Data logging and real-time monitoring

WEIGHT & DIMENSIONS

- Weight: TBD
- Dimensions: TBD (custom CAD available)

PHYSICAL DIMENSIONS



GitHub URL:

here.

Videos:

here.