CAN-ETH

CAN/Ethernet gateway

EtherNet

CAN

Extend your CAN network via Ethernet

CAN-ETH is a CAN to Ethernet gateway specifically designed to interface CAN networks with TCP/IP networks.

The gateway features a CAN and an Ethernet port and can be mounted on a DIN rail. It encapsulates CAN messages into UDP packets and transports them via Ethernet. The gateway can operate in peer-to-peer or broadcast modes.

Common applications include:

- CAN bus length extensions
- CAN to DSL bridging
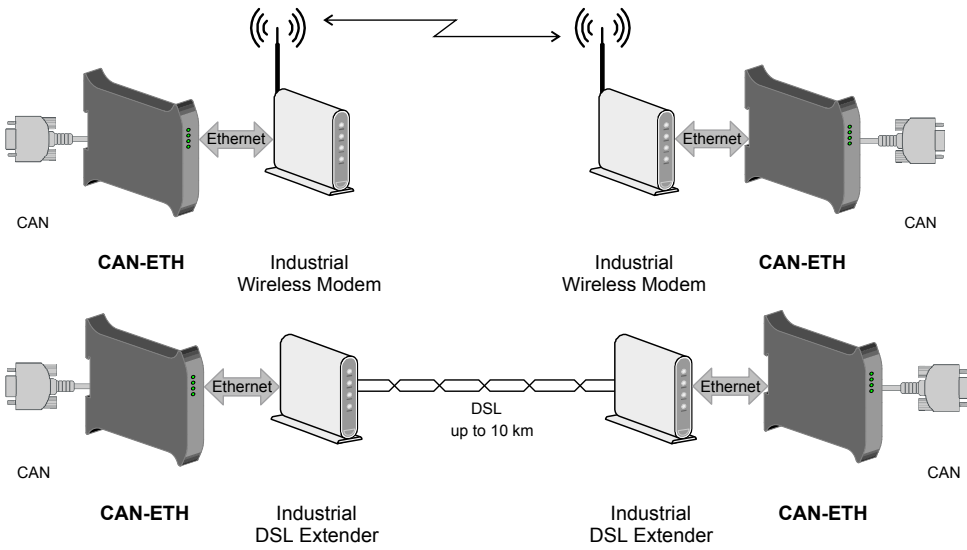- Wireless networking of CAN networks

Features

- UDP encapsulation for CAN messages

- Peer-to-peer mode

- Broadcast mode

- 8 CAN receive filters

- Low configuration overhead, just an IP address and CAN bitrate to set-up

- Embedded web server for easy configuration and commissioning using a web browser
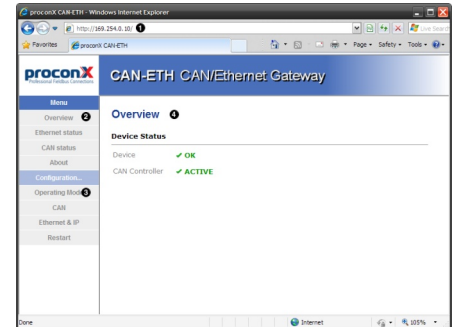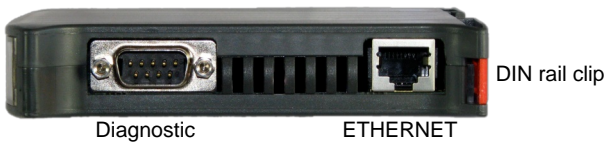
- Firmware upgradeable via Ethernet

CAN-ETH

Usage

CAN-ETH — Industrial Wireless Modem — Industrial Wireless Modem — **CAN-ETH**

CAN — CAN

CAN-ETH — Industrial DSL Extender — DSL up to 10 km — Industrial DSL Extender — **CAN-ETH**

CAN — CAN

Order Information

Model number	Configuration
CAN-ETH	Gateway with Ethernet and CAN interfaces in DIN rail enclosure

Connections

Diagnostic   ETHERNET   DIN rail clip

24V DC   CAN

Specifications

Interfaces
1 Ethernet
1 CAN
1 RS-232 Diagnostics

User interface
- Power, Ethernet, Device & Modbus/CAN Status LEDs
- Web browser interface for Monitoring & Configuration

Ethernet port
- IEEE 802.3i 10BASE-T
- Modbus/TCP Slave
- IP, TCP, HTTP, ARP, TFTP
- 1.5 kV galvanic isolation

CAN port
- DE9M with CiA DS-102 pinout
- ISO 11898 physical layer
- 10 kBit/s - 1 MBit/s
- Up to 64 nodes

Power requirements
- 10-30 V DC, 750 mW
- 30 mA typical @ 24 V DC

High availability
- Watchdog supervision
- Brown-out detection

Electromagnetic compatibility
- Emissions CISPR 22/EN 55022 (Class A)
- Immunity EN55024
- Electrostatic discharge EN61000-4-2
- Radiated RF EN61000-4-3
- Fast transients EN61000-4-4
- Conducted RF EN61000-4-6

Environment
- 0° to 60 °C / 32 to 140 °F operating temperature
- -25° to 80 °C / -13 to 185 °F storage temperature
- 10 to 95% humidity, non-condensing

Form factor / enclosure
- Self-extinguishing PC/ABS (UL 94-V0)
- 35 mm DIN rail mountable
- IP 20 / NEMA Type 1
- Convection cooling
- 101 x 22.5 x 120 mm / 3.98 x 0.886 x 4.72 in
- 0.13 kg / 0.287 lbs

Compliance
- C-Tick
- CE, RoHS
- FCC Part 15 (Class A)
- ICES-003 (Class A)