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

Connections

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)