**CAN-ETH**

CAN/Ethernet gateway

**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** 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
**Usage**

**Connections**

**Specifications**

**Interfaces**
- Ethernet
- CAN
- RS-232 Diagnostics

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

**Ethernet port**
- IEEE 802.3i 10BASE-T
- IP, UDP, TCP, HTTP, ARP, TFTP
- 1.5 kV galvanic isolation

**CAN port**
- DE9M with CiA DS-102 pinout
- ISO 11898 physical layer
- 10, 20, 33.33, 47.619, 50, 83.33, 95.238, 100, 125, 250, 500, 800 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)

---

**Order Information**

<table>
<thead>
<tr>
<th>Model number</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN-ETH</td>
<td>Gateway with Ethernet and CAN interfaces in DIN rail enclosure</td>
</tr>
</tbody>
</table>