

PCAN-Ethernet Gateway FD DR

CAN FD to LAN Gateway in DIN Rail Plastic Casing

The PCAN-Ethernet Gateway FD DR allows access to classic CAN or modern CAN FD buses via an IP network. On top of that, CAN buses can be connected to each other via IP using multiple devices. CAN frames are wrapped in TCP or UDP message packets and then forwarded via the IP network from one device to another. The PCAN-Ethernet Gateway FD DR provides a LAN interface and two CAN FD interfaces that allow bit rates up to 10 Mbit/s. For this, an AM5716 Sitara processor provides the needed performance.

The PCAN Gateway product family is configured via a convenient web interface. Alternatively, the JSON interface allows access via software. Both options provide status information and settings of the devices, the various communication interfaces, message forwarding, and filters.

Please refer to page 49 for more information about the configuration and the operating principles.



Specifications

- ___ Two High-speed CAN channels (ISO 11898-2)
 - ▀ Comply with CAN specifications 2.0 A/B and FD
 - ▀ CAN FD bit rates for the data field (64 bytes max.) from 20 kbit/s up to 10 Mbit/s
 - ▀ CAN bit rates from 20 kbit/s up to 1 Mbit/s
 - ▀ Microchip MCP2558FD CAN transceiver
- ___ Galvanic isolation of the CAN channels up to 500 V against each other, against RS-232, and the power supply
- ___ Connections for CAN, RS-232, and power supply via 4-pole screw-terminal strips (Phoenix)
- ___ LAN interface
 - ▀ Data transmission using TCP or UDP
 - ▀ 10/100/1000 Mbit/s bit rates
 - ▀ RJ-45 connector with status LEDs
- ___ Monitoring and configuration of the devices via the web interface or JSON interface
- ___ Software update via the web interface
- ___ Reboot or reset of the device to a previous software version with a reset button
- ___ Plastic casing (width: 45.2 mm) for mounting on a DIN rail (DIN EN 60715 TH35)
- ___ LEDs for device status and power supply
- ___ PCI Express Mini slot, USB port, and a RS-232 connector for future use
- ___ Voltage supply from 8 to 30 V
- ___ Operating temperature range from -40 to +70 °C (-40 to +158 °F)
- ___ Fan for active cooling when a temperature limit is exceeded

Ordering information

Designation	Part No.
PCAN-Ethernet Gateway FD DR	IPEH-004012

Scope of supply

- ___ PCAN-Ethernet Gateway FD DR in DIN rail plastic casing
- ___ Mating connectors for both CAN channels, RS-232, and power supply
- ___ RJ-45 network patch cord (2 m)
- ___ Manual in PDF format
- ___ Printed quick start guide

Accessories: PCAN-Adapter D-Sub for DR Products optionally available (details on page 114).