



Ethernet/CANopen Gateway EtherCAN CI-ARM9-900

Special Features

- EtherCAN CI-ARM9-900 Version 3.0
- CANopen Gateway Server CiA 309-3 from "Port"
- Referring to company "Port" it can be used as a replacement for the discontinued IGW900
- 454 MHz ARM9 CPU (NXP I.MX287) with 128 MB SDRAM and 4 GB eMMC Flash
- 10/100 MBit Ethernet
- 2 CAN channels
- Individual galvanic decoupling of both CAN transceivers
- RS232 interface for configuration
- USB host interface
- SD-Card slot
- Embedded Linux operating system
- Rail mountable

Description

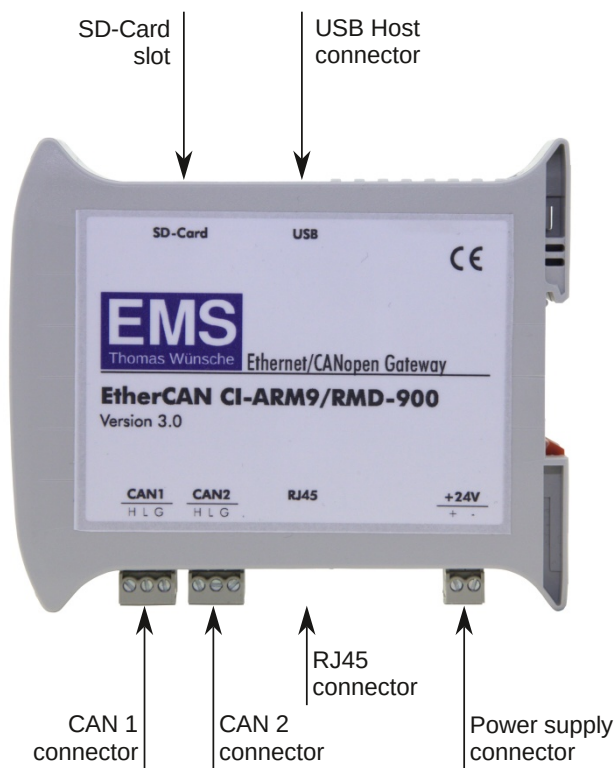
EtherCAN/ARM9-900 acts as a CiA 309-3 gateway between CANopen and Ethernet systems. It is preconfigured to run two instances of the gateway software and can be used as a replacement for IGW900.

A NXP ARM9 CPU (I.MX287) clocked with 454 MHz gives enough power for this application. The device has 128 MB SDRAM and 4 GB eMMC Flash memory. The CAN interface is realized by the two internal CAN controllers of the CPU. Both channels are individually galvanic decoupled from CPU and power supply.

The module is intended to be rail mounted.

Technical Data

Layout and Connection



Limiting values

Parameter	Minimal	Maximal	Unit
Storage temperature	-40	+85	°C
Operating temperature	-20	+60	°C
Supply voltage	-36	+36	V
Voltage on the bus connections	+10	+30	V

Any (also temporary) stress in excess of the limiting values may cause permanent damage on EtherCAN CI-ARM9-900 and other connected devices. Exposure to limiting conditions for extended periods may affect the reliability and shorten the life cycle of the device.

Nominal Values

Parameter	Minimal	Typical	Maximal	Unit
Current consumption	-	100	150	mA
Supply voltage	10	24	30	V

All values, unless otherwise specified, refer to a supply voltage of 24 V and an environmental temperature of 20 °C.

Scope of Delivery

- Ethernet/CANopen gateway EtherCAN CI-ARM9-900
- User manual