CAN-EtherCAT
EtherCAT® / CAN Gateway

- **Fast and reliable linking EtherCAT and CAN**
- **No limitation in the number of CAN nodes**

Linking EtherCAT and CAN
The CAN-EtherCAT module links any CAN network to an EtherCAT network. The gateway operates as an EtherCAT slave with a maximum of 8 Kbytes input or output data on the EtherCAT bus.

Applications
With the CAN gateway you can connect CAN modules with CANopen® (CiA® DS 301) or layer-2 (ISO 11898-1) implementation to a real-time EtherCAT network.
The number of CAN nodes is not limited by the gateway.
The module can also be configured as Ethernet switch port using the EoE protocol (Ethernet-over-EtherCAT).
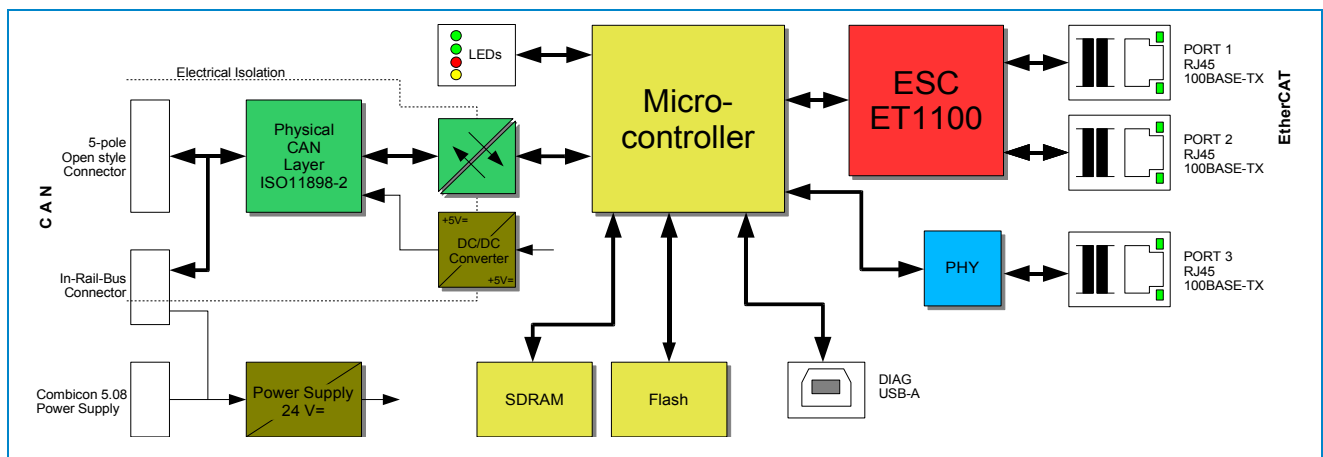
Physical Interfaces
The CAN high speed (ISO 11898-2) compatible interface allows a maximum data-transfer rate of 1 Mbit/s.
The 100BASE-TX EtherCAT interface is compatible to IEEE 802.3 and runs with 100 Mbit/s.
The EtherCAT as well as the CAN interface are electrically isolated.

Configuration and protocols
Configuration is done through EtherCAT master. CAN diagnostics and firmware updates are realized via web interface.

Technical Specifications:

CPU:	
Microcontroller:	ARM9, 200 MHz
Memory:	32 MB SDRAM

CAN:	
CAN controller:	ISO 11898-1
CAN interface:	5-pin open style 3.81 (CiA DR 303-1), 1 Mbit/s, ISO 11898-2, electrically isolated

EtherCAT slave controller (ESC):	
ESC ASIC:	ET1100
ESC interface:	2x RJ45, 100BASE-TX, 100 Mbit/s, IEEE 802.3, electrically isolated

General:	
Supply voltage:	nom. 24 VDC / 150 mA min./max.: 18 VDC / 32 VDC
Operating temperature:	0...50 °C
Dimensions:	22.5 mm x 99 mm x 114.5 mm (dimensions without mating connectors)
Connectors:	CAN: 5-pin open style 3.81 EtherCAT: 2x RJ45 power: 4-pin spring force plug 5.08

Order information:		
Designation		order no.
CAN-EtherCAT	EtherCAT / CAN gateway, documentation on CD	C.2922.02