



# EtherCAN

## CAN - Ethernet Gateway

- CAN over Ethernet
- ARM-processor NET+50
- 10/100BaseT ETHERNET
- ETHERNET protocols: TCP/IP, Modbus/TCP
- CAN interface
- CANopen manager
- Hat-rail case

## ARM Controlled Module

The EtherCAN is an ETHERNET-CAN gateway with an NET +50 ARM processor that controls the data transfer between CAN and ETHERNET. Designed for hat-rail mounting in a control enclosure it has connectors and status LEDs mounted in the front panel.

## Fast ETHERNET Interface

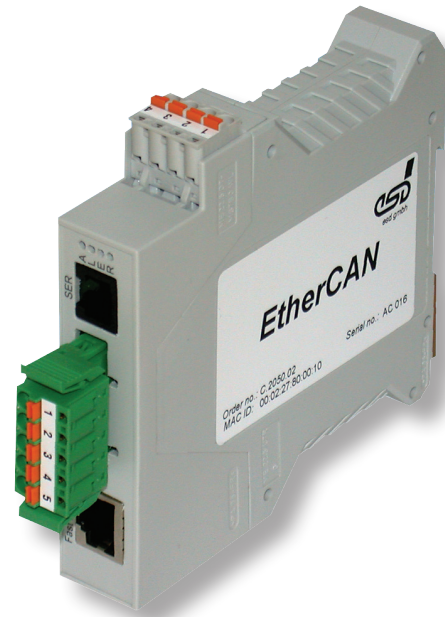
Designed for 10 Mbit/s and 100 Mbit/s nets, the ETHERNET interface is accessible through a RJ45 connector in the front panel.

## CAN Interface

Based on a SJA1000 CAN controller, the CAN interface is fully ISO 11898 compliant, opto-isolated, has a Combicon-style connector, and allows data transfer rates of 1 Mbit/s.

## CAN-Protocol

Software packages for CANopen are available for Windows 98/NT/2000/XP or UNIX-systems.



For further information please visit  
[http://www.esd-electronics-usa.com/CAN CANopen PCI Interface EtherCAN.html](http://www.esd-electronics-usa.com/CAN%20CANopen%20PCI%20Interface%20EtherCAN.html)

## Software Support

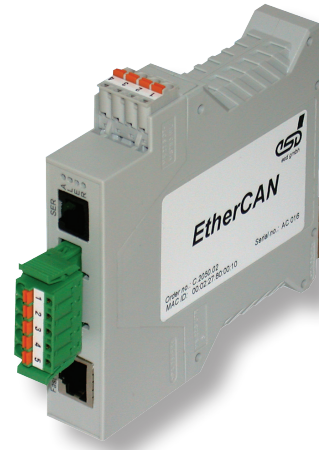
The complete firmware for the data transfer between the nets is onboard stored in Flash- EPROM. Additionally, software-drivers are available for Windows NT/2000/XP, and Linux as well as other operating systems upon request. The monitor program CANscope is in the scope of delivery.

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challenge

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## Technical Specifications

Microcontroller	
Microcontroller	ARM NET +50
Memory equipped	From 2 M x 32 bit SDRAM (8 MB), Up to 8 M x 32 bit SDRAM (64 MB), Up to 8 M x 8 bit Flash EPROM (1, 2, 4, 8 MB)
Interfaces	
ETHERNET	10/100BaseT, IEEE802.3, RJ45- connector
CAN	Controller SJA1000, CAN 2.0A/B, electrically isolated, 1 Mbit/s, ISO11898, Combicon-style con- nector
Serial	One internal interface for service and programming only, TTL-level signals, One RS-232 interface at RJ12
General	
Ambient temperature	0...50° C
Humidity	Max. 90%, non-condensing
Power supply	24 V
Connectors	CAN: 5-pole Combicon-style, 10/100BaseT: RJ45, RS-232: RJ12 Power: 4-pole Combicon-style

## Order Information

Designation		order no.
EtherCAN	CAN-ETHERNET-Gateway 2 MB Flash, 16 MB SDRAM	C.2050.02
EtherCAN-NT	CAN-ETHERNET gateway bundle w/WinXP/2K & Linux driver, CAN-API	C.2050.03
EtherCAN- Modbus-TCP	MODBUS/CAN-Gateway	C.2050.05
EtherCAN-ELLSI	UDP/TCPIP Socket-Interface	C.2050.06
CAN-DRV-LCD	Object license CD-ROM for Windows & Linux	C.1101.02
EtherCAN-ME	Hardware manual	C.2050.21
CAN-API-ME	Software manual CAN-API	C.2001.21



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