



# CAN-CBM-Bridge/2

## Intelligent CAN Bridge

- Linking two CAN networks with data buffering
- Internal micro controller MB90F543
- Compact hatrail module



### Linking two CAN networks

The module CAN-CBM-Bridge/2 can link two independent CAN networks – including those with different bit rates. The module operates with a MB90F543 microcontroller, which buffers the CAN data in a local SRAM. The firmware is in the flash. A serial EEPROM stores parameters.

### CAN-Interface

The ISO 11898-compatible CAN interfaces allow each a maximum data-transfer rate of 1 Mbit/s. A 5-pin screw/plug in Combicon design connects the optocouplers and DC/DC converters that electrically insulate the CAN interfaces.

### Programming

The CAN-CBM-Bridge/2 module allows for easy configuration by means of a terminal, e.g. Windows Hyperterminal. It contains the RS-232, a serial programming interface connected via a DSUB9 connector. The module is an 11-bit-ID and a 29-bit-ID Bridge that allows configuration of up to 26 unidirectional links of identifiers as well as up to four masks definable to link the identifiers completely or to link defined ranges of identifiers.

For further information please visit  
<http://www.esd-electronics-usa.com/CAN%20Gateways.html>

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challenge

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### Technical Specifications:

CPU and serial interface:	
Microcontroller:	MB90F543, 16 MHz
Memory:	6 k x 8 bit SRAM, 128 k x 8 bit Flash EPROM, serial SPI-EEPROM
Serial controller:	MB90F543-internal, max. 9600 kBit/s
Physical interface:	RS-232
CAN bus interface:	
CAN controller:	MB90F543-internal, CAN 2.0A/B
CAN interface:	differential, electrically insulated, 1 Mbit/s, ISO11898
General :	
Connectors:	CAN: 2x 5-pin connection socket serial: 9-pin DSUB male, power: UEGM screw connector
Operating voltage:	nominal 24 V(DC)

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### Order Information:

Designation		Order No.
CAN-CBM-Bridge/2	11/29-bit CAN-Bridge CAN 2.0A/B	C.2853.02
CAN-CBM-Bridge/2- ME	English user's manual	C.2853.21

