



DN-CBM-DP

Profibus-DP / DeviceNet Gateway

- Fast and reliable linking DeviceNet and Profibus-DP with data buffering
- DeviceNet-PLC link, e.g. to SIEMENS S7-300 or S7-400
- No limitation on the number of DeviceNet participants

Linking DP and DeviceNet

The module DN-CBM-DP can link any Profibus-DP master to DeviceNet. The DNCBM- DP gateway operates as a slave-I/O component with a total of maximum 312 bytes data (partitioning from up to 244 bytes input and 68 bytes output to 244 bytes output and 68 bytes input data) on the DP-bus.

Applications

With the DN-CBM-DP gateway, you can couple modules with DeviceNet implementation to e.g. a SIMATIC-S7, and the module does not limit the number of DeviceNet Participants.

Physical Interfaces

Designed according to the DeviceNet Specification Rev. 2.0, the DN-CBM-DP supports all DeviceNet bit rates. The Profibus-DP-Slave interface automatically recognizes all usual bit rates up to 12 Mbit/s. Optocouplers and DC/DC converters electrically isolate both the DP as well as the DeviceNet interface.



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

Serial interface

The module has a serial interface (default: RS-232) for service and configuration, and it is connected by a DSUB9 connector.

Configuration and Protocol

For the I/O data mapping of the DP slave, configuration software for Windows95/98 or Windows NT is available. The module DN-CBM-DP supports DeviceNet as Layer-7 protocol.

growing with the
challenge

DN-CBM-DP

Profibus-DP / DeviceNet Gateway

- Fast and reliable linking DeviceNet and Profibus-DP with data buffering
- DeviceNet-PLC link, e.g. to SIEMENS S7-300 or S7-400
- No limitation on the number of DeviceNet participants



Technical Specifications:

CPU and Serial Interface:

Microcontroller:	68331, 25 MHz
Memory:	512 k x 16 bit SRAM, 128 k x 8 bit Flash EPROM
Available interfaces:	RS-232, RS-485, TTY, max. 38.4 kbit/s

DeviceNet:

CAN controller:	SJA1000, CAN 2.0A/B
Interface:	acc. to DeviceNet Specification Rev. 2.0, electrical isolation, all DeviceNet bit rates are supported

Profibus-DP:

DP controller:	SPC3, DP-Slave
DP interface:	RS-485, electrically isolated, max. 12 Mbit/s

General:

Operating voltage:	Nominal 24 VDC
Connectors:	DeviceNet: 1x 5-pin connection socket DP: 9-pin female DSUB Serial: 9-pin male DSUB Power: UEGM screw connector

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

Order Information:

Designation		order no.
DN-CBM-DP	DP-DeviceNet Gateway	C.2846.02
DN-CBM-DP-ME	English user's manual	C.2846.21

