



FC5201, FC5202 | PCI DeviceNet

DeviceNet The FC520x PC plug-in cards link the PC to a DeviceNet network. They can act there as master or as slave modules. The PCI bus interface ensures both high transmission rates to the PC and fully automatic configuration of the cards in the PC hardware. The DeviceNet cards provide a powerful implementation of the protocol, offering many desirable features:

- All DeviceNet I/O modes are supported: polling, change of state, cyclic, strobed.
- unconnected message manager (UCMM)
- Device Heartbeat Messages, Device Shutdown Messages
- Optionally two DeviceNet channels in parallel on one card are possible.
- powerful parameter and diagnostics interfaces
- The error management for each bus user is freely configurable.
- It is possible to read the bus configuration and automatically assign the “eds” files.

In TwinCAT, all functions are conveniently available. High-level language programs use the DLL, Visual Basic applications the ActiveX interface. OPC applications can access process data and parameters via an OPC server.

Technical data	FC5201	FC5202
Fieldbus	DeviceNet	
Number of fieldbus channels	1	2
Data transfer rates	125, 250, 500 kbaud	
Interface to the PC	plug-and-play PCI interface 32 bit with 4 kbyte DPRAM per channel	
Bus interface	open style connector, 5-pin, according to DeviceNet specification, galvanically decoupled (Connector is supplied.)	
Communication	DeviceNet network master (scanner), optionally DeviceNet slave	
Bus device	per channel: max. 63 slaves	
Termination resistor	switchable	
Hardware diagnosis	2 LEDs per channel	
Bit width in the process image	total max.: 3 kbyte input and output data	
Dimensions	approx. 106 mm x 175 mm	
Operating temperature	0...+55 °C	

Ordering information	FC5201-000x	FC5202-000x
FC520x-0000	standard configuration	
FC520x-0002	configuration with 32 kbytes NOVRAM	

Accessories	
TX1100	I/O driver
Cordsets	cordsets and connectors

System	
DeviceNet	For further DeviceNet products please see the system overview .