



FC5251 | Mini PCI DeviceNet

DeviceNet The FC5251 Mini PCI Card brings fieldbus functionalities to the Industrial PC in a compact construction. The bus interface is not implemented on the fieldbus card, but separately in the respective housing (device-specific). The FC5251 is available for Beckhoff Industrial PCs with Mini PCI option. Like the standard PCI cards, the Mini PCI variants are specifically optimised for fast controllers and real-time tasks:

- connection of the PC to a DeviceNet network (optionally master or slave units)
- powerful parameter and diagnostics interfaces
- The error management for each bus user is freely configurable.

The power of the Fieldbus Cards can be most easily seen in combination with the TwinCAT software PLC and NC. But other applications also benefit from the intelligent PCI cards that handle the fieldbus protocol efficiently on their own processors. The Fieldbus Cards are optionally available with 128 kbyte NOVRAM.

Technical data	FC5251
Fieldbus	DeviceNet
Number of fieldbus channels	1
Data transfer rates	125, 250, 500 kbaud
Interface to the PC	Mini PCI interface 32 bit with 4 kbyte DPRAM per channel
Communication	DeviceNet network master (scanner), optionally DeviceNet slave
Bus device	max. 63 slaves
Termination resistor	externally, e.g. with ZS1052-3000
Dimensions	59.75 mm x 50.95 mm (type III A)
Operating temperature	0...+55 °C
Driver	TwinCAT I/O and higher levels

Ordering information	FC5251-000x
FC5251-0000	standard configuration (can only be ordered with a Beckhoff Industrial PC with Mini PCI option)
FC5251-0002	configuration with 128 kbytes NOVRAM (can only be ordered with a Beckhoff Industrial PC with Mini PCI option)

Accessories	
TX1100	I/O driver

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