



FC3151 | Mini PCI PROFIBUS



The FC3151 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 FC3151 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:

- Cycle times up to 100 µs are possible.
- Process data communication can either be free running, synchronised, synchronised with a delay, or equidistant.
- 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	FC3151
Fieldbus	PROFIBUS DP (standard), PROFIBUS DP-V1 (Cl. 1+2: acyclic services, alarms), DP-V2, PROFIBUS MC (equidistant)
Number of fieldbus channels	1
Data transfer rates	9.6 kbaud...12 Mbaud
Interface to the PC	Mini PCI interface 32 bit with 4 kbyte DPRAM per channel
Communication	master and slave functionality (also mixed)
Bus device	max. 125 slaves
Cycle time	differing DP cycle times per slave are possible using the CDL concept
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	FC3151-000x
FC3151-0000	standard configuration (can only be ordered with a Beckhoff Industrial PC with Mini PCI option)
FC3151-0002	configuration with 128 kbytes NOVRAM (can only be ordered with a Beckhoff Industrial PC with Mini PCI option)

Accessories	
TX1100	I/O driver

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