



## FC7551 | Mini PCI SERCOS II

**sercos** the automation bus The FC7551 Mini PCI Cards 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 FC7551 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:

- All cycle times supported by SERCOS (from 62.5 µs) are possible.
- communication via SERCON 816 chip
- up to 254 devices

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	FC7551
Fieldbus	SERCOS II
Number of fieldbus channels	1
Data transfer rates	2, 4, 8, 16 Mbaud
Interface to the PC	Mini PCI interface 32 bit with 4 kbyte DPRAM per channel
Communication	SERCON 816 chip
Bus device	≤ 254
Cycle time	all cycle times supported by SERCOS interface (down to 62.5 µs)
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	FC7551-000x
FC7551-0000	standard configuration (can only be ordered with a Beckhoff Industrial PC with Mini PCI option)
FC7551-0002	configuration with 128 kbytes NOVRAM (can only be ordered with a Beckhoff Industrial PC with Mini PCI option)

Accessories	
<b>TX1100</b>	I/O driver

System	
<b>SERCOS</b>	For further SERCOS products please see the <a href="#">system overview</a> .