



## FC2001, FC2002 | Lightbus PCI interface cards

**LIGHTBUS** The PCI Fieldbus Cards from Beckhoff are characterised by outstanding features. They are tailor-made for TwinCAT, the software solution for PC-compatible control technology. The power of TwinCAT comes into its own with this interface generation:

- Cycle times up to 100 µs are possible.
- Process data communication can either be free running or synchronised.
- It is possible to select two parallel fieldbus channels on one card.
- powerful parameter and diagnostics interfaces (ADS)

TwinCAT I/O provides configuration tools and Windows NT/2000/XP/Vista or Windows 7 drivers for programs in any desired high-level language (DLLs) and for Visual Basic applications (ActiveX). Applications with OPC interface can access the cards via an OPC server.

Technical data	FC2001	FC2002
Fieldbus	Lightbus	
Number of fieldbus channels	1	2
Data transfer rates	2.5 Mbaud, 32 bits of process data in 25 µs	
Interface to the PC	plug-and-play PCI interface 32 bit with 4 kbyte DPRAM for 8 communication channels, data, control and status register	
Bus interface	2 x standard fibre optic connector Z1000 (plastic fibre), Z1010 (HCS fibre)	4 x standard fibre optic connector Z1000 (plastic fibre), Z1010 (HCS fibre)
Communication	8 priority controlled logical communication channels	
Bus device	max. 254 nodes with a max. of 65,280 I/O points per fieldbus connection	
Interrupt	initiation of 2 PC hardware interrupts is possible	
Hardware diagnosis	3 LEDs per channel	
Dimensions	approx. 106 mm x 187 mm	
Operating temperature	0...+55 °C	

Ordering information	FC2001-0000	FC2002-0000
FC200x-0000	standard configuration	

Accessories	
<b>TX1100</b>	I/O driver
<b>Cordsets</b>	cordsets and connectors

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