



FC3121, FC3122 | PCIe PROFIBUS



PROFIBUS DP and DP-V1: the PROFIBUS PCIe (PCI Express) Fieldbus Cards from Beckhoff can master the following PROFIBUS features:

- master, slave and PROFIBUS monitor up to 12 Mbit/s
- 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 "GSE" files

In TwinCAT, all functions are conveniently available. Other applications also benefit from the diverse features: general drivers for different Windows versions and convenient configuration tools are included in the TwinCAT I/O software package. High-level language programs use the DLL, Visual Basic applications the ActiveX interface. Applications with OPC interface can access process data and parameters via an OPC server.

Technical data	FC3121	FC3122
Fieldbus	PROFIBUS DP (standard), PROFIBUS DP-V1	
Number of fieldbus channels	1	2
Data transfer rates	9.6 kbaud...12 Mbaud	
Interface to the PC	PCIe (PCI Express) interface	
Bus interface	1 x D-sub socket, 9-pin, galvanically decoupled	2 x D-sub socket, 9-pin, galvanically decoupled
Communication	master and slave functionality	
Bus device	per channel: max. 125 slaves with up to 244 bytes input, output, parameter, configuration or diagnostic data per slave	
Type	PCI Express	
Hardware diagnosis	2 LEDs per channel	
Bit width in the process image	total max.: 30.5 kbyte input and output data	
Dimensions	approx. 100 mm x 130 mm	
Operating temperature	0...+55 °C	
Driver	TwinCAT 2.11 R3 and higher	

Accessories	
TX1100	I/O driver
Cordsets	cordsets and connectors

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