



FC9002, FC9004 | PCI Ethernet

Ethernet TCP/IP The Ethernet PCI network cards can be used in office and automation networks and offer the following benefits:

- plug-and-play interface
- 10/100 Mbit/s, full duplex
- automatic baud rate setting according to IEEE 802.3u for each channel
- maximum performance through hardware-integrated checksum creation and verification
- The hardware side supports Quality of Service (QoS) through prioritised multiple queues.

The cards (or individual channels) can also be operated with TwinCAT drivers – and therefore in real-time.

Technical data	FC9002	FC9004
Fieldbus	all Ethernet (IEEE 802.3) based protocols	
Number of Ethernet channels	2	4
Data transfer rates	10/100 Mbit/s, IEEE 802.3u auto-negotiation, full duplex at 10 and 100 Mbit/s, separate settings for each channel	
Interface to the PC	plug-and-play PCI interface 32 bit	
Ethernet interface	10BASE-T/100BASE-TX Ethernet	
Ethernet plug	2 x RJ45	4 x RJ45
Cable length	100 m (up to hub, switch or end device)	
Standard drivers	standard drivers for Intel® 8255xER series or Beckhoff driver for different Windows versions (available from Beckhoff website)	
Real-time drivers	TwinCAT drivers for EtherCAT/real-time Ethernet. Drivers can be selected separately for each channel.	
Hardware diagnosis	2 LEDs per channel (activity, link)	
Dimensions	approx. 95 mm x 125 mm	
Operating temperature	0...+55 °C	

Ordering information	FC9002-0000	FC9004-0000
FC900x-0000	standard configuration	

Accessories	
Cordsets	cordsets and connectors

System	
Ethernet TCP/IP	For further Ethernet TCP/IP products please see the system overview .