



FC9022, FC9024 | Gbit Ethernet, PCI Express

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
- 10/100/1,000 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	FC9022	FC9024
Fieldbus	all Ethernet (IEEE 802.3) based protocols	
Number of Ethernet channels	2	4
Data transfer rates	10/100/1000 Mbit/s, IEEE 802.3ab auto-negotiation, full duplex at 10, 100 and 1000 Mbit/s	
Interface to the PC	PCI Express x1	PCI Express 2.1 x1 (5.0 GT/s)
Ethernet interface	10BASE-T/100BASE-TX/1000BASE-T Ethernet	
Ethernet plug	2 x RJ45	4 x RJ45
Cable length	100 m (up to switch or end device)	100 m (up to hub, switch or end device)
Standard drivers	standard operating system drivers for Intel®-compatible NIC real-time driver 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. 62 mm x 100 mm	approx. 98 mm x 98 mm
Operating temperature	0...+55 °C	

Ordering information	FC9022-0000	FC9024-0000
FC902x-0000	standard configuration	

Accessories	
Cordsets	cordsets and connectors

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