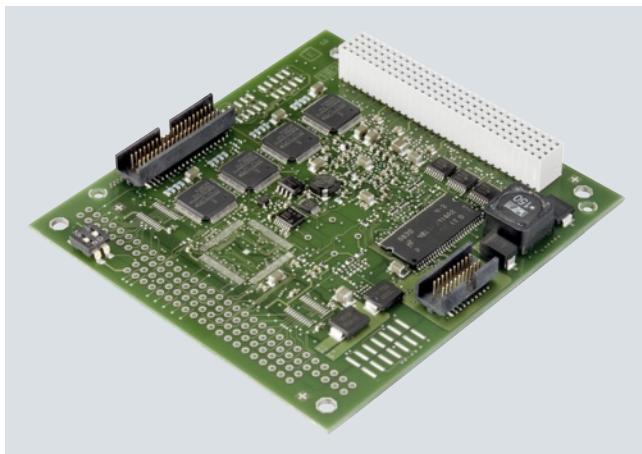


# PROFINET/Industrial Ethernet Communication for PC-based systems

CP 1604

## Overview



ISO	TCP/ UDP	PN	MRP	OPC	PG/OP	S7/S5	IT
	●	●	●				

- PCI-104 module for connecting PCI-104 systems to PROFINET IO
- Full/half duplex with autonegotiation
- With Ethernet real-time ASIC ERTEC 400
- Integral 4-port real-time switch
- Communication services:
  - PROFINET IO controller and/or PROFINET IO device
  - Support of IRT in motion control applications
- High performance through direct memory access
- Integration in network management systems through the support of SNMP
- Comprehensive diagnostics possibilities for installation, start-up and operation of the module
- Powerful configuration tools are included in delivery of module

## Ordering data

**CP 1604 communication processor**  
 PCI-104 card (32-bit) with ASIC ERTEC 400 for connecting PCI-104 systems to PROFINET IO with 4-port real-time switch (RJ45); incl. IO-Base software for PROFINET IO-Controller and NCM PC; single license for one installation, runtime software, software and electronic manual on CD-ROM, Class A, for 32-bit Windows XP Professional and Windows 7; other operating systems by means of DK-16xx PN IO Development Kit German/English

## Order No.

**6GK1 160-4AA00**

## Ordering data (continued)

## Order No.

**CP 1604 Microbox Package**  
 Package for implementing the CP 1604 in the SIMATIC Microbox PC; comprising the CP 1604, connection board, power supply and expansion racks for Microbox PC; for use with Development Kit DK-16xx PN IO; NCM PC

**6GK1 160-4AU00**

## Accessories

**Connection board for CP 1604**  
 Connection board for CP 1604 with four RJ45 sockets incl. connecting cable

**6GK1 160-4AC00**

**Power supply for CP 1604**  
 Redundant power supply for CP 1604 for operating the integral 4-port switch of the CP 1604 with the PC-104 system switched off; includes connecting cable

**6GK1 160-4AP00**

**Development Kit DK-16xx PN IO**  
 Software development kit for CP 1616/CP 1604; driver and IO-Base software for CP 1616/CP 1604 as PN IO controller and IO device in source code for transfer to other PC-based operating systems; including executable example code for SUSE Linux 10, Windows XP Professional and Windows 7

See [www.siemens.com/simatic-net/dk16xx](http://www.siemens.com/simatic-net/dk16xx)

## IE TP Cord RJ45/RJ45

TP cable 4 x 2 with 2 RJ45 connectors

- 0.5 m
- 1 m
- 2 m
- 6 m
- 10 m

**6XV1 870-3QE50**  
**6XV1 870-3QH10**  
**6XV1 870-3QH20**  
**6XV1 870-3QH60**  
**6XV1 870-3QN10**

## SCALANCE X204IRT

Managed Industrial Ethernet switches; isochronous real time, LED diagnostics, error signaling contact with SET button, redundant power supply 4 x 10/100 Mbit/s RJ45 ports

**6GK5 204-0BA00-2BA3**

## More information

The DK-16xx PN IO development kit can be found on the Internet at: [www.siemens.com/simatic-net/dk16xx](http://www.siemens.com/simatic-net/dk16xx)