

SH ARC-PCI-K

ARCNET PCI card with coaxial interface



Scope of application

The SH ARC-PCI-K ARCNET card has been developed for use in industrial PCs. The card is available with coaxial interface.

When you update to a PC with PCI interface the card can immediately substitute other SOHARD ARCNET network adapters, if your application is using the SOHARD RAW ARCNET interface and the corresponding driver.

The card has been replaced by the SH ARC-PClu-K. Nevertheless it is still available to allow further function of customer- specific applications which access the hardware either directly or by using drivers other than the ARCNET RAW driver by SOHARD.

Design & Functionality

The card features the ARCNET controller COM20022 from SMSC which is completely compatible with the COM20020. The transfer rate is 2.5Mbit/s. The SH ARC-PCI-K is a 32 bit card conforming to PCI 2.1. The card is a plug and play device. Configuration of addresses and interrupts is simple. It may be addressed via I/O addresses or via memory.

4 LEDs indicate the following activities:

- Coaxial transceiver active/inactive (back plane mode on/off).
- Activity on ARCNET receive channel
- Activity on ARCNET transmission channel
- PC access to ARCNET module

Key features

PCI 2.1 compatible
32 bit bus
Mapping of the COM20022 registers into the I/O and memory space of the PC
Usable in legacy systems owing to DOS support
Fast controller access via Advanced-Memory Mode
Coaxial transceiver protected against invalid bit rate and transmission mode

Specification

Compatibility	ANSI/ATA 878.1, PCI 2.1, CE for industrial environment
Power requirements	5 V from PC, max. 10 W
Temperature range, operation	0°C to +55°C
Temperature range, storage	-20°C to +85°C
Dimensions (w/h/d), in mm	125/175/21 (without connectors and slot bracket)
Weight	max 250 g (incl. Packaging)

Drivers

Universal RAW driver (UARC)	Windows 98/ME/NT/2000 Windows XP/2003/2008/Vista/7 ¹⁾
NDIS	Windows 95/98/NT/2000/XP
Other drivers	Linux ¹⁾

¹⁾ Detailed overview of drivers and supported OS can be found on www.sohard.de



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Order Information

Product name	Description
SH ARC-PCI-K	ARCNET PCI card with coaxial interface

User manual und CD with drivers are included.