

## SH ARC-PCMCIA

ARCNET PCMCIA card



### Scope of application

The SH ARC-PCMCIA family are PCMCIA ARCNET adapters particularly for use in laptops in industrial environments. The devices are available with various ARCNET interfaces for connection to ARCNET networks with different signaling methods (sine dipulse, RS-485/EIA-485 (DC or AC coupled) and optical) via coaxial, twisted-pair or fiber optic cables.

When you change to a PC with PCMCIA 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. Your application needs not to be changed.

### Design & Functionality

The SH ARC-PCMCIA is a type I card conforming to the PCMCIA Standard 2.1.

The ARCNET interface comes as a separate module. It is connected to the SH ARC-PCMCIA by a shielded cable. Both, the PCMCIA card and the interface module are housed in solid metal casings. Two LEDs at the ARCNET interface module indicate ARCNET activity and host access.

For technical information on the ARCNET interfaces of SH ARC-PCMCIA product family, please have a look at our product datasheet "ARCNET Interface Modules".

### Key features

- 16 bit PCMCIA card allowing for 8 or 16 bit access
- Mapping of the COM20022 registers into the I/O and memory space of the PC
- Fast controller access via Advanced-Memory Mode
- PCMCIA Type I card, 3.3 mm high
- Variable bit rates up to 10 Mbit/s

### Specification

<b>Compatibility</b>	ANSI/ATA 878.1, PCMCIA spec. V2.1, CE for industrial environment
<b>Power requirements</b>	5 V from PC, 1.5 W max. w/o interface module
<b>Temperature range, operation</b>	0°C to +55°C
<b>Temperature range, storage</b>	-20°C to +85°C
<b>Dimensions (w/h/d), in mm</b>	54/3.3/86 (acc. to PCMCIA spec. V2.1)
<b>Weight</b>	max 200 g (incl. Packaging)

### Drivers

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

<sup>1)</sup> Detailed overview of drivers and supported OS can be found on [www.sohard.de](http://www.sohard.de)



**Order Information**

Product name	Description
SH ARC-PCMCIA	PCMCIA ARCNET card with one port for an interface module type „PCMCIA“ <sup>1)</sup>

<sup>1)</sup> Interface module must be ordered separately.

User manual und CD with drivers are included with “SH ARC-PCMCIA”.

**Interface module for SH ARC-PCMCIA**

Product name	Bit rate	Signal	Socket	Cable type
SH KOAX-PCMCIA	2.5 Mbit/s	sine dipulse	BNC	coaxial cable RG-62
SH LWLSMA-PCMCIA	156.25 kbit/s – 2.5 Mbit/s	optical	FSMA	multi-mode fibers
SH LWLST-PCMCIA	156.25 kbit/s – 2.5 Mbit/s	optical	ST/BFOC	multi-mode fibers
SH LWLTOS-PCMCIA	156.25 kbit/s – 2.5 Mbit/s	optical	TODX296/TOSLINK	multi-mode fibers
SH RS485-PCMCIA	156.25 kbit/s – 10 Mbit/s	RS-485/EIA-485	DE-9/D-Sub	twisted pair cable
SH RS485AC-PCMCIA	2.5–10 Mbit/s	RS-485/EIA-485 <sup>2)</sup>	RJ45	twisted pair cable
SH TWP-PCMCIA	2.5 Mbit/s	sine dipulse	RJ45	twisted pair cable

<sup>2)</sup> RS-485/EIA-485 via signal transformer (AC coupled).

Please feel free to contact us for customized interface modules.