

# IBS PC 104 SC-T - Termination board



2721701

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Termination board in PC/104 format, without electrical isolation



## Product description

INTERBUS Generation 4 controller boards for PCs

The intelligent controller boards, IBS PC ISA SC/I-T and IBS PC 104 SC-T provide PCs with two INTERBUS interface connections with Generation 4 functionality that can be programmed with high-level languages.

The IBS PC 104 SC-T is a software-compatible variant in the internationally standardized PC/104 format.

For the operating system, Windows NT, Windows 95 and DOS, there are drivers that permit access to the controller board via a simple interface. The new intelligent IBS PC SC HLI application interface allows you to create powerful INTERBUS applications using C, C++, Delphi or Visual Basic quickly and easily. The IBS CMD SWT G4 software can be used to parameterize the INTERBUS system by integrating an export filter for IBS PC SC HLI.

The system packages offer includes an economy version consisting of the controller board, the manuals, all the drivers, and CMD.

## Your advantages

- Direct integration into OPC-based visualization systems via OPC server
- External 24 V DC power supply
- Installation of several cards in a PC with monitoring of multiple INTERBUS lines
- Parameterization and diagnostics with Diag+
- Access to high-level language applications via HFI
- Access to INTERBUS system data and controller data via visualization stations
- Compatible driver
- INTERBUS parameter channel (PCP) supported

## Commercial data

Item number	2721701
Packing unit	1 pc
Sales key	DR14
Product key	DREABA
GTIN	4017918140670
Weight per piece (including packing)	106 g
Weight per piece (excluding packing)	101.1 g
Customs tariff number	84733020
Country of origin	DE

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## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Product properties

Product type	PC controller board
Type	PC card
Set comprises	2724407 IBS PC 104 SC SYSKIT E 2724397 IBS PC 104 SC SYSKIT
Format	PC/104

### System properties

Control system	Control with PC/104 interface
Operating system	Windows NT
	Windows 2000
	Windows 95/98
	DOS
	Further types on request

#### Addressable areas

I/O	8 bytes, selectable between 100 and 3F8 (hex)
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#### INTERBUS-Master

Amount of process data	max. 8192 Byte (INTERBUS)
Number of devices with parameter channel	max. 62 (512 words)

#### Local diagnostics

Designation	MREADY
Monitored function	INTERBUS operating status
Optical representation	Status display via LED

#### Functionality

Control system	Control with PC/104 interface
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#### System requirements

Configuration tool	CMD from Version 4.0x
Diagnostics tool	DIAG+ from version 1.0x
Application interface	OPC
	DDI
Driver	Windows NT
	Windows 2000
	Windows 95/98

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	DOS
	Further types on request

## Electrical properties

Local diagnostics	MREADY INTERBUS operating status Status display via LED
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 2 W

## Supply

Supply voltage	5 V DC
Supply voltage range	± 5 % (including ripple)
Power supply connection	Via PC/104 bus
Typical current consumption	0.4 A

## Input data

### Counter:

Number of inputs	0
Input frequency	0 kHz

## Output data

### Pulse direction

Number of pulse direction outputs	0
Limit frequency	0 kHz

## Interfaces

Interrupts	Selectable between IRQ 3, 5, 7, 9, 10, 11, 12, 15
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### INTERBUS remote bus

Connection method	10-pos. DIL pin strip
Transmission speed	500 kbps

### Parameterization/operation/diagnostics

Connection method	RS-232-C, 10-pos. DIL male connector
Transmission speed	500 kbps

### Host system

Connection method	PC-104-Bus
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## Dimensions

Width	90 mm
Height	90 mm

### External dimensions

Width / Height / Depth	90 mm / 90 mm / (PC/104)
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## Environmental and real-life conditions

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## Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	0 °C ... 55 °C (acc. to EN 60204-1)
Ambient temperature (storage/transport)	-25 °C ... 75 °C (acc. to EN 60204-1)
Permissible humidity (operation)	75 % (on average, 85% infrequently, non-condensing)
Air pressure (operation)	860 hPa ... 1080 hPa (up to 2000 m above sea level)
Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3000 m above sea level)

## Mounting

Mounting type	In the host system
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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