

IBS PC ISA SC/I-T - Termination board



2719234

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PC controller board in ISA format, with 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.

Commercial data

Item number	2719234
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DREABA
GTIN	4017918120146
Weight per piece (including packing)	177 g
Weight per piece (excluding packing)	177 g
Customs tariff number	84733020
Country of origin	DE

Technical data

Product properties

Product type	PC controller board
Type	PC card
Set comprises	2721918 IBS PC ISA SC SYSKIT E 2721905 IBS PC ISA SC SYSKIT
Format	Short plug-in card, 1-slot

System properties

Control system	IBM-compatible PCs with ISA slot
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 bit (INTERBUS)
Number of devices with parameter channel	max. 126

Local diagnostics

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

Functionality

Control system	IBM-compatible PCs with ISA slot
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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
	DOS
	Further types on request

Electrical properties

Local diagnostics	MREADY INTERBUS operating status Status display via LED
Transmission medium	Copper

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Maximum power dissipation for nominal condition	max. 2.5 W
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Supply

Supply voltage	5 V DC
Supply voltage range	± 5 % (including ripple)
Power supply connection	Via ISA bus
Typical current consumption	0.5 A

Interfaces

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

Connection method	9-pos. D-SUB female connector, with electrical isolation
Transmission speed	500 kbps

Parameterization/operation/diagnostics

Connection method	RS-232-C, D-SUB 9-pos. male connector
Transmission speed	500 kbps

Host system

Connection method	ISA bus
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Dimensions

Width	135 mm
Height	107 mm

External dimensions

Width / Height / Depth	135 mm / 107 mm / (short plug-in card, 1 slot)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-25 °C ... 75 °C (acc. to EN 60204-1)
Ambient temperature (storage/transport)	0 °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	6(c), 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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