

# Termination board - IBS PCI SC/I-T - 2725260

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PCI master controller board with electrical isolation

## Product Description

INTERBUS generation 4 controller board for PCs. With the IBS PCI SC/I-T standard controller, the high-level language programmable ISA bus platform is also extended towards PCI compatibility. The corresponding CMD INTERBUS configurator acts as the central interface to all other tools involved in an automation solution, such as EPLAN, visualization, and programming. Interfaces that are consistent throughout the system, such as HLI and OPC, offer direct access to the INTERBUS fieldbus system as well as to the runtime system of the controller. Free drivers for Windows NT, XP, and Windows 7 round off the products. The drivers are not supplied with the board. The necessary software is on the CD and in the user manual, or can be downloaded from this page. The system packages offered include an inexpensive version consisting of the controller board, user manuals, all drivers (including HLI, but excluding OPC server), and CMD G4.

## Product Features

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



## Key commercial data

package_quantity	1
GTIN	4017918185121

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

Height	107 mm
Depth	168 mm
Length	20 mm

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## Technical data

### Ambient conditions

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

### Control system

<b>Control system</b>	IBM-compatible PCs with PCI slot
<b>Diagnostics tool</b>	DIAG+ from version 1.0x
<b>Configuration tool</b>	CMD from version 4.5x

### Software interfaces

<b>Software driver</b>	Windows NT
<b>Software driver</b>	Windows 2000
<b>Software driver</b>	Windows XP
<b>Software driver</b>	Windows 7
<b>Software driver</b>	Venturcom RTX 5.x
<b>Software driver</b>	Further types on request
<b>Application interface</b>	HFI
<b>Application interface</b>	OPC
<b>Application interface</b>	DDI

### Software requirements

<b>Configuration tool</b>	CMD from version 4.5x
<b>Configuration tool</b>	Config+ from version 1.00 onwards
<b>Diagnostics tool</b>	DIAG+ from version 1.0x

### Power supply

<b>Power supply connection</b>	Via PCI bus
<b>Typical current consumption</b>	0.7 A
<b>Supply voltage</b>	5 V DC
<b>Supply voltage range</b>	± 5 % (including ripple)

### General

<b>Weight</b>	126.1 g
<b>Format</b>	Short plug-in card, 1-slot

### Data interfaces

<b>Interface</b>	INTERBUS remote bus
<b>Connection method</b>	9-pos. D-SUB female connector, with electrical isolation
<b>Interface</b>	Parameterization/operation/diagnostics
<b>Connection method</b>	RS-232-C, Mini-DIN female
<b>Interface</b>	Host system
<b>Connection method</b>	PCI bus, 32 bit, 33 MHz, 5 V

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## Technical data

### Data interfaces

<b>Interface</b>	Direct I/Os
<b>Connection method</b>	14-pos. FLK pin strip
<b>Interrupts</b>	1 IRQ, PnP

### Direct I/Os

<b>Output name</b>	Digital outputs
<b>Number of outputs</b>	2
<b>Connection method</b>	FLK cable connector (14-pos.)
<b>Maximum output current per channel</b>	0.5 A
<b>Input name</b>	Digital inputs
<b>Number of inputs</b>	6 (EN 61131-2 type 1)
<b>Nominal input voltage U<sub>IN</sub></b>	24 V DC

### Fieldbus function

<b>Amount of process data</b>	max. 8192 Bit (INTERBUS-Master)
<b>Number of supported devices</b>	max. 512 (of which 254 are remote bus devices/bus segments)
<b>Number of devices with parameter channel</b>	max. 126
<b>Module classification</b>	INTERBUS master

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27240603
<b>eCl@ss 4.1</b>	27240603
<b>eCl@ss 5.0</b>	27242208
<b>eCl@ss 5.1</b>	27242208
<b>eCl@ss 6.0</b>	27242208
<b>eCl@ss 7.0</b>	27242208
<b>eCl@ss 8.0</b>	27242208

### ETIM

<b>ETIM 2.0</b>	EC001425
<b>ETIM 3.0</b>	EC001425
<b>ETIM 4.0</b>	EC000236
<b>ETIM 5.0</b>	EC000236

### UNSPSC

<b>UNSPSC 6.01</b>	43172015
<b>UNSPSC 7.0901</b>	43201404
<b>UNSPSC 11</b>	43172015
<b>UNSPSC 12.01</b>	43201404
<b>UNSPSC 13.2</b>	43201404

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## approvals

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UL Recognized / cUL Recognized / GOST / cULus Recognized /

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### Approval details

UL Recognized 

cUL Recognized 

GOST 

cULus Recognized 

## accessories

### System cable

FLK 14/EZ-DR/ 50/KONFEK - 2288901



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## Configuration and diagnostics

IBS CMD SWT G4 E - 2721442



# Termination board - IBS PCI SC/I-T - 2725260

## accessories

IBS CMD SWT G4 - 2721439



DIAG+ - 2730307



CONFIG+ OEM - 2700779



CONFIG+ DEMO - 2868046



CONFIG+ - 2868059



CONFIG+ CPY - 2868062



## Termination board - IBS PCI SC/I-T - 2725260

accessories

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### Programming cable

PRG CAB MINI DIN - 2730611



### Drivers and interfaces

IBS OPC SERVER - 2729127



accessories

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UM 45-FLK14 - 2962557



CD PC DRIVER - 2985589



IBS PCI DDK - 2730271



# Termination board - IBS PCI SC/I-T - 2725260

accessories

CD IBS PCI SC RTX - 2737423



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## Drawings

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