

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

Ambient conditions

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Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	0 °C ... 55 °C (in acc. with EN 60204-1)
Ambient temperature (storage/transport)	-25 °C ... 75 °C (in acc. with EN 60204-1)
Permissible humidity (operation)	75 % (on average, 85% infrequently, no condensation)
Air pressure (operation)	860 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3000 m above sea level)

Control system

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

Software interfaces

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

Software requirements

Configuration tool	CMD from version 4.5x
Configuration tool	Config+ from version 1.00 onwards
Diagnostics tool	DIAG+ from version 1.0x

Power supply

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

General

Weight	150 g
Format	Short plug-in card, 1-slot

Data interfaces

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

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Data interfaces

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

Direct I/Os

Input name	Digital inputs
Nominal input voltage U_{IN}	24 V DC
Output name	Digital outputs
Connection method	FLK cable connector (14-pos.)
Maximum output current per channel	0.5 A

Fieldbus function

Amount of process data	max. 8192 Bit ([NO ASSET AVAILABLE: TXB,7142972,P])
Number of supported devices	max. 512 (of which 254 are remote bus devices/bus segments)
Number of devices with parameter channel	max. 126
Module classification	INTERBUS master

classifications

eCl@ss

eCl@ss 4.0	27240603
eCl@ss 4.1	27240603
eCl@ss 5.0	27242208
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	27242208

ETIM

ETIM 2.0	EC001425
ETIM 3.0	EC001425
ETIM 4.0	EC000236
ETIM 5.0	EC000236

UNSPSC

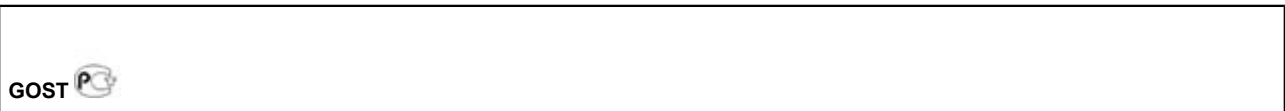
UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

approvals

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approvals

Approval details



accessories

System cable

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



Configuration and diagnostics

IBS CMD SWT G4 E - 2721442



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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

Programming cable

PRG CAB MINI DIN - 2730611



Drivers and interfaces

IBS OPC SERVER - 2729127



accessories

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



Drawings

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