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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 bus platform is extended towards PCI. The corresponding Config+ 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 HFI, 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 module. 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.

Why buy this product

☑ External 24 V DC power supply

☑ 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

RoHS **INTERBUS**

Key Commercial Data

Packing unit	1 STK
GTIN	‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖ 4 017918 185121
GTIN	4017918185121
Weight per Piece (excluding packing)	126.100 g
Custom tariff number	84733020
Country of origin	Germany

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Technical data

Note

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

Dimensions

Width	168 mm
Height	107 mm
Depth	20 mm

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)

Control system

Control system	IBM-compatible PCs with PCI slot
Diagnostics tool	DIAG+ from version 1.0x
Configuration tool	CMD from version 4.5x
Operating system	Windows NT
	Windows 2000
	Windows XP
	Windows 7 (64 bit)
	Windows 8/10 (32 & 64 bit)
	Venturcom RTX 5.x
	Further types on request

Software interfaces

Driver	Windows NT
	Windows 2000
	Windows XP
	Windows 7 (64 bit)
	Windows 8/10 (32 & 64 bit)
	Venturcom RTX 5.x
	Further types on request
Application interface	HFI
	DDI

Software requirements

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

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Technical data

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)
Power dissipation	max. 3.5 W

General

Weight	126.1 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
Interface	Direct I/Os
Connection method	14-pos. FLK pin strip
Interrupts	1 IRQ, PnP

Direct I/Os

Input name	Digital inputs
Number of inputs	6 (EN 61131-2 type 1)
Connection technology	FLK cable connector (14-pos.)
Nominal input voltage U_{IN}	24 V DC
Output name	Digital outputs
Number of outputs	2
Connection technology	FLK cable connector (14-pos.)
Maximum output current per channel	0.5 A

Fieldbus function

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

Standards and Regulations

Connection in acc. with standard	CUL

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324

EAC			EAC-Zulassung

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

Accessories

Accessories

Configuration and diagnostics

Software - IBS CMD SWT G4 E - 2721442

Network configuration software for INTERBUS Generation 4

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Accessories

Software - IBS CMD SWT G4 - 2721439

Network configuration software for INTERBUS Generation 4

Software - DIAG+ - 2730307

Diag+, diagnostics software, for INTERBUS networks, area of application: Startup, maintenance and, for example, for integration in control desk software, can be integrated in 32 bit applications (ActiveX-capable)

Software - CONFIG+ OEM - 2700779

Config+ project license, for configuration and diagnostics of an INTERBUS system. Please enter the project number in the configuration field or get in touch with your contact person in our sales organization.

Software - CONFIG+ DEMO - 2868046

Config+ demo version with restricted range of function (it is not possible to save projects)

Software - CONFIG+ - 2868059

Config+ full version for configuration and diagnostics of an INTERBUS system

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Accessories

Software - CONFIG+ CPY - 2868062

The Config+ copy license enables the installation and parallel use of the Config+ software on multiple workstations. A single-user full license is also required. It is a workstation license

Programming

Software - IBS OPC SERVER - 2729127

INTERBUS OPC server, communication interface between distributed INTERBUS and Ethernet networks and visualizations.

Programming cable

Connecting cable - COM CAB MINI DIN - 2400127

Connecting cable, for connecting the controller to a PC (RS-232) for PC WORX with flow control, 3 m in length

System cable

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

Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

Interface module - UM 45-FLK14 - 2962557

VARIOFACE module, with screw connection and flat-ribbon cable connector, for assembly on NS 35/7.5, 14 positions

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Accessories

Software drivers - CD IBS PCI SC RTX - 2737423

Driver and documentation CD incl. Driver as RTDLL, coupling driver for parallel Windows access and HLI interface as RTDLL, incl. online documentation (as development licence)