

# Termination board - IBS PCI 104 SC-T - 2737494

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Termination board in PCI-104 format, connects an INTERBUS network to a control system with PCI-104 interface, without electrical isolation

## Product Description


INTERBUS generation 4 controller board with a host interface for PCI 104 bus.  
 Connection of simple sensors/actuators up to intelligent field devices via INTERBUS directly to a controller with a PCI 104 interface.

## Your advantages

- ✓ 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
- ✓ Compatible driver
- ✓ Access to INTERBUS system data and controller data via visualization stations
- ✓ INTERBUS parameter channel (PCP) supported
- ✓ Parameterization and diagnostics with Diag+
- ✓ Access to high-level language applications via HFI



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 042857
GTIN	4046356042857
Weight per Piece (excluding packing)	83.930 g
Custom tariff number	85389091
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### Note

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

# Termination board - IBS PCI 104 SC-T - 2737494

## Technical data

### Dimensions

Width	90 mm
Height	96 mm

### Ambient conditions

Degree of protection	IP20
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)
Shock	2g, criterion A acc. to IEC 60068-2-6

### Control system

Control system	IBM-compatible PCs with PCI-104 slot
Diagnostics tool	DIAG+ from version 1.0x
Configuration tool	CMD from version 4.62
Operating system	Windows NT
	Windows 2000
	Windows XP
	Venturcom RTX 5.x
	Further types on request

### Software interfaces

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

### Software requirements

Configuration tool	CMD from version 4.62
Diagnostics tool	DIAG+ from version 1.0x

### Power supply

Power supply connection	Via PCI-104 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

# Termination board - IBS PCI 104 SC-T - 2737494

## Technical data

### General

Weight	83.93 g
Format	PCI-104

### Data interfaces

Interface	INTERBUS remote bus
Number	1
Connection method	10-pos. DIL pin strip
Transmission speed	500 kbps / 2 Mbps (can be switched)
Interface	Parameterization/operation/diagnostics
Number	1
Connection method	10-pos. DIL pin strip
Transmission speed	500 kbps / 2 Mbps 500 kbps 2 Mbps (can be switched)
Interface	Host system
Connection method	PCI-104 bus, 32 bits, 33 MHz, 5 V
Interrupts	1 IRQ, PnP

### Fieldbus function

Amount of process data	max. 8192 Bit (INTERBUS)
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

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Interference emission	Noise emission test as per EN 61000-6-4 Class A
Immunity to surge	Noise immunity test in accordance with EN 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 Criterion B, Signal/data lines: 1 kV
Immunity to burst	Noise immunity test in accordance with EN 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 Criterion B, Signal/data lines: 2 kV
Immunity to EF	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m
Immunity to ESD	Noise immunity test in accordance with EN 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 Criterion B, 6 kV contact discharge, 8 kV air discharge
Immunity to conducted interference	Noise immunity test in accordance with EN 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V
Connection in acc. with standard	CUL
Shock	2g, criterion A acc. to IEC 60068-2-6

### Environmental Product Compliance

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

# Termination board - IBS PCI 104 SC-T - 2737494

## Classifications

### eCl@ss

eCl@ss 4.0	27240600
eCl@ss 4.1	27240600
eCl@ss 5.0	27242700
eCl@ss 5.1	27242700
eCl@ss 6.0	27242200
eCl@ss 7.0	27242207
eCl@ss 8.0	27242208
eCl@ss 9.0	27242208

### ETIM

ETIM 2.0	EC001425
ETIM 3.0	EC001425
ETIM 4.0	EC000236
ETIM 5.0	EC001423
ETIM 6.0	EC001423
ETIM 7.0	EC001423

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	39122114
UNSPSC 18.0	39122114
UNSPSC 19.0	39122114
UNSPSC 20.0	39122114
UNSPSC 21.0	39122114

## Approvals

### Approvals

---

#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

---

#### Ex Approvals

---

### Approval details

# Termination board - IBS PCI 104 SC-T - 2737494

## Approvals

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
---------------	--	---	---------------

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
----------------	--	---	---------------

cULus Recognized			
------------------	--	--	--

## Accessories

### Accessories

### Configuration and diagnostics

Software - IBS CMD SWT G4 E - 2721442



Network configuration software for INTERBUS Generation 4

Software - IBS CMD SWT G4 - 2721439



Network configuration software for INTERBUS Generation 4

Software - DIAG+ - 2730307



Diag+, diagnostic software for INTERBUS and PROFINET networks, additional areas of application are, for example, commissioning and maintenance.

## Diagnostics display

## Termination board - IBS PCI 104 SC-T - 2737494

### Accessories

Diagnostics display - IBS USC/4 DIAG L - 2746388



Diagnostics display for Generation 4 INTERBUS master

---

### Programming

Software - IBS OPC SERVER - 2729127



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

---

### Programming cable

Cable set - IBS PC 104 SC CAB - 2724436

Cable set, for COM1, COM2, for PC controller board in PC/104 format

