

IBS ISA SC/486DX/I-T - Termination board



2723945

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Termination board with coprocessor with electrical isolation, incl. driver software and user manual on CD

Product description

INTERBUS Generation 4 coprocessor card

The IBS ISA SC/486DX/I-T provides the INTERBUS with a powerful PC controller board for high-level language programming of operator PCs in machines and plants. The control and automation programs run on the coprocessor of the IBS ISA SC/486DX/I-T. The PC system is thus free for the visualization of the process signals and parameters connected via INTERBUS.

The globally available PC/104 standard is used as a pluggable embedded PC board for the coprocessor of the IBS ISA SC/486DX/I-T. The control program is programmed with standard compilers such as Borland C or Microsoft C. The programs are developed and tested on the host PC and subsequently downloaded onto the coprocessor board.

There are 8 Mbyte IDE flash available as a local drive for the DOS operating system and the application. For runtime, the application can use the 640 kByte of the DOS operating system. The user-friendly high-level language interface (HLI) can be used for programming the application.

The power is normally supplied via the host PC. An external 5 V connection is available for a power supply independent of the host PC. A failure of the power supply to the host PC has no effect on the operation of the IBS ISA SC/486DX/I-T, the connected INTERBUS or the control program running on the coprocessor.

A built-in power supply unit for the PC ISA slot (24 V IN / 5 V OUT) IBS PC EXT PS/24DC/FIL can also be purchased as an accessory.

Commercial data

Item number	2723945
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DREABA
GTIN	4017918154134
Weight per piece (including packing)	479.2 g
Weight per piece (excluding packing)	479.2 g
Customs tariff number	84733020
Country of origin	DE

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Technical data

Product properties

Product type	PLC controller board
Type	PC card
Format	1 deep slot, (222 x 99 x 35) mm, double slot width

System properties

Clock frequency	100 MHz
Retentive data storage	NVRAM
Operating system	Windows NT

Addressable areas

I/O	8 bytes, selectable between 100 and 3F8 (hex)
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INTERBUS-Master

Amount of process data	max. 4096 Byte (INTERBUS)
Number of devices with parameter channel	max. 62

Local diagnostics

Designation	READY/RUN, FAIL
Monitored function	INTERBUS
Optical representation	Status display via LED

System requirements

Configuration tool	CMD from version 4.5x
Diagnostics tool	DIAG+ from version 1.14
Driver	Windows NT

Electrical properties

Local diagnostics	READY/RUN, FAIL INTERBUS Status display via LED
	READY/RUN Coprocessor Status display via LED
	UL Power supply Status display via LED
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 12.5 W

Supply

Supply voltage	5 V DC
Supply voltage range	± 5 % (including ripple)
Power supply connection	Via ISA bus or ext. (2-pos. printed circuit board)
Typical current consumption	2.5 A

Interfaces

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

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Connection method	9-pos. D-SUB female connector (optionally optical fiber possible via interface converters) with electrical isolation
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Parameterization/operation/diagnostics

Connection method	RS-232-C, D-SUB 9-pos. male connector
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Host system

Connection method	IBM-compatible PCs with ISA slot, from 386 SX processor
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Dimensions

Width	229 mm
Height	107 mm
Depth	35 mm

External dimensions

Width / Height / Depth	229 mm / 107 mm / 35 mm
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
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Mounting

Mounting type	In the host system
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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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