

# Termination board - IBS ECO-LINK - 2746346

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INTERBUS Master Interface including: - Driver software for DOS and Windows - User documentation in German and English - Monitor programs - Cable for the power supply



## Product Description


IBS ECO-LINK is a different approach for the use of the INTERBUS system on IBM-compatible PCs. IBS ECO-LINK is an inexpensive solution which offers easy handling for simple control tasks. The user has almost immediate success, since the signals of the peripherals are made available in the PC without any great effort.

IBS ECO-Link is ideally suited for startup and servicing purposes. In addition, the IBS ECO-LINK can also be used for measurement value acquisition, e.g. when using portable computers, as a control unit for uncomplicated machines and small systems. Bus operation and protocol handling are carried out by the PC. IBS ECO-LINK is connected to the serial interface of the PC, making the performance of the system very dependent on the type of processor used and its workload.

The driver software for Windows and DOS is an integral part of the product, just as the sample programs and a monitor are, but it does not have to be installed separately as the serial drivers of the operating system are used. The latest particular version can be found on our web site. The driver allows you to create powerful INTERBUS applications using C, C++, Delphi or Visual Basic quickly and easily.



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 174095
GTIN	4017918174095
Sales Key	14

## Technical data

### Dimensions

Width	18 mm
Height	56 mm
Depth	65 mm

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % (95 % infrequently, non-condensing)

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## Technical data

### Ambient conditions

Permissible humidity (storage/transport)	5 % (95% infrequently, no condensation)
Air pressure (operation)	860 hPa ... 1080 kPa (up to 3000 m above sea level)
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### Control system

Control system	All computer systems with a serial interface
Operating system	Windows 2000
	Windows 95/98
	Windows NT
	Windows XP
	DOS

### Mechanical design

Weight	115 g
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### Data interfaces

Interface	Control system
Connection method	Serial interface (V.24), data backup, parity (even)
Transmission speed	max. 115,2 kBit/s
Interface	INTERBUS remote bus
Connection method	9-pos. D-SUB socket
Transmission speed	500 kbps / 2 Mbps2 Mbps (can be switched)
Interface	Parameterization/operation/diagnostics
Connection method	Socket driver, diagnostics LED
User interface	V.24, 1 start bit, 2 stop bits, 8 data bits, even parity, max. baud rate: 115.2 kbps

### Power supply

Power supply connection	3-pos. circular connector, via external voltage supply
Typical current consumption	typ. 110 mA (all inputs static, outputs unused)
Supply voltage	5 V DC 5 %
Power dissipation	max. 0.55 W

### Fieldbus function

Amount of process data	4096 Byte (256 words (4096 binary inputs/outputs))
Number of parameter data	62 Byte (in preparation)
Number of supported devices	512 (254 of which)
Number of devices with parameter channel	62
Protocol chip	IBS-UART

### Local diagnostics

Optical representation	Operating status LED (power supply, V.24 communication)
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Technical data

### Environmental Product Compliance

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

## Classifications

### eCl@ss

eCl@ss 10.0.1	27242208
eCl@ss 4.0	27250200
eCl@ss 4.1	27250200
eCl@ss 5.0	27242700
eCl@ss 5.1	27242700
eCl@ss 6.0	27242200
eCl@ss 7.0	27242208
eCl@ss 8.0	27242208
eCl@ss 9.0	27242208

### ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001601
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

## Accessories

### Accessories

#### Adapter

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### Accessories

Adapter set - PSM-VLTG-USB/PS2/0,5 - 2708025



Adapter set with 0.5 m cable, to supply the PSI Bluetooth RS-232 adapter from a USB or PS2 interface

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### Adapter cable

Data cable - PSM-KA 9 SUB/SB/1METER - 2799788



V.24 cable, for the connection to IBS ECO-LINK

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### Drivers and interfaces

Driver - IBS UART SDS - 2746443



Socket driver source code for IBS ECO-LINK and master protocol chip IBS UART (software and documentation D/GB)

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