

Part Number	Description
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PROFIBUS

Interface Boards and Mounting Equipment

PB-PRO1-PCI	PBpro PCI single channel DP/FMS/FDL Master, DP Slave, Universal PCI 3,3 / 5V compatible
PB-PRO1-PCI/LP	PBpro PCI single channel DP/FMS/FDL Master, DP Slave, Universal PCI 3,3 / 5V compatible, Low Profile
PB-PRO1S-PCI	PBpro PCI single channel, DP Slave, Universal PCI 3,3 / 5V compatible
PB-PRO2-PCI	PBpro PCI dual channel DP/FMS/FDL Master, DP Slave, Universal PCI 3,3 / 5V compatible
PB-IF-1S	PROFIboard PCI Slave
PB-IF-1MS	PROFIboard PCI Master/Slave
PB-IF-2MS	PROFIboard PCI dual channel with 1x Master and 1x Master/Slave
PB-IF-1M1S	PROFIboard PCI dual channel with 1x Master and 1x Slave
PB-USB	PROFIusb, PROFIBUS USB Interface, single channel
PB-PCcard2	PROFIcard2 Master (PCMCIA)
PCcard2-PFX	PB-PCcard2 mounting kit with strain-relief
CRPCI-1R	PCcard adapter for rear installation (needs 1 PCI-slot)
CRPCI-1F	PCcard adapter for front installation (needs 1 PCI-Slot)
PB-PRO1-PC104+	PBpro PC/104plus single channel DP/FMS/FDL Master, DP Slave, Universal PCI 3,3 / 5V compatible
PB-PC104-MS	PROFI104 Master/Slave
PB-PC104-S	PROFI104 Slave
PB-PC104-XT	PROFI104 Master, for extended temperature range
PB-PC104-MS-XT	PROFI104 Master/Slave, for extended temperature range
PB-IF-03 ¹⁾	PROFIboard ISA Master/Slave

Gateway Devices

FG-100-PB	FG-100 PROFIBUS - compact Ethernet Gateway to PROFIBUS Master / Slave (single channel)
FG-PB-2	FG-300 PROFIBUS - Ethernet Gateway to 2 x PROFIBUS Master / Slave
FG-PB-3	FG-300 PROFIBUS - Ethernet Gateway to 3 x PROFIBUS Master / Slave

Configuration Tool

PROFI-KON-DP	PROFIBUS DP configuration tool for Softing master, USB dongle included
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Drivers

Standard Drivers	for various operating systems are available free of charge, see www.softing.com for detailed and up to date information about the available drivers and for the driver download
VX-PB-MS	VxWorks driver for PCI and PC/104 boards

OPC-Server

OPC-PB	PROFIBUS DP-V0/DP-V1-OPC Server license for Windows 9x/ME/NT/2000/XP with Online Configurator and GSD Pool, supports PROFIdrive profile server, with license as software key ^{L)}
OPC-PB-PRO1-PCI	OPC-PB Lizenz with PBpro PCI single channel, software license on Softing interface card ^{L)}
OPC-PB-PRO2-PCI	OPC-PB license with PBpro PCI dual channel, software license on Softing interface card ^{L)}
OPC-PB-USB	OPC-PB license with PROFIusb Master, software license on Softing interface card ^{L)}
OPC-PB-PCCARD	OPC-PB license with PROFICard Master, software license on Softing interface card ^{L)}



Part Number	Description
OPC-PB-FG100	OPC-PB license ^{L)} with FG-100 PROFIBUS

Part Number	Description
Diagnostic Tools	
PB-T3	PROFIBUS DP Cable Tester, wide-range power supply, SW for Windows 98/ME/2000/XP on CD, user manual and accessories in a handy carrying case
PB-T3/AKKU	External accu and adaptor set for PB-T3, 24 VDC/1.5 Ah, charger unit 230 VAC, transport bag
PB-T3/BTR	Bus separator (spare part), accessory for PB-T3, included in PB-T3
BC-230-PB	Physical Profibus PA Diagnostic Monitor, bus powered, approved for hazardous areas Zone 1; SW for Windows 2000/XP on CD, manual, certificates and connection cables in a handy carrying case
BC-400-PB	PROFIBUS DP Protocol Analyzer, USB-powered, SW for Windows 2000/XP on CD, user manual and connection cables in a handy carrying case
BC-450-PB	PROFIBUS DP+PA Protocol Analyzer, USB-powered, SW for Windows 2000/XP on CD, user manual and connection cables in a handy carrying case
BC-131-PB	Active drop cable for BC-4x0-PB, length 3 m, internal repeater bus-powered
PB-LSZ-CHB3	Digital leakage current clamp meter, 40-1.000 Hz, MIN/MAX, DATA HOLD
PB-DIAG-400-L	Complete PROFIBUS DP diagnostic bundle consisting of PB-T3, BC-400-PB, BC-131-PB and PB-LSZ-CHB3 in a stable transportcase
PB-DIAG-450-L	Complete PROFIBUS DP+PA diagnostic bundle consisting of PB-T3, BC-450-PB, BC-131-PB and PB-LSZ-CHB3 in a stable transport case
PB-DIAG-450-XL	Complete PROFIBUS DP+PA diagnostic XL bundle consisting of PB-T3, BC-450-PB, BC-131-PB and PB-LSZ-CHB3 with additional BC-230-PB in a stable transport case
BC-502-PB	PROFIBUS Inspektor for continuous bus monitoring and condition-based maintenance of DP/DPV1/FMS/MPI, rail-mounted, ext. 24 VDC required, signaling contact, ethernet 10/100BASE-TX (RJ45) incl. internal web server and manual
BC-502-PB/CL	PROFIBUS Inspektor software option „Comfort Line“, enables full featured protocol analyzer via USB, incl. additional PC SW on CD-ROM and printed manual English/German
BC-502-PB-Start	PROFIBUS Inspektor start package consisting of BC-502-PB, BC-131-PB incl. power supply, patch and crossover cable, carrying case
BC-502-PB-PMxx	Central diagnosis management and data analysis for up to 80 Inspektors comprising “Premium Line” and PROmanage® server license for x=5/10/20/40/80 Inspektors, SW installation and commissioning at site and possibly network data server, cables, cabling etc. as to be agreed
Components for Communication with S7 / S5 Controllers	
NETLINK-PRO-USB	NETLink PRO with USB 2.0 and MPI interface, incl. STEP 7 driver
NETLINK-PRO-ETH	NETLink PRO with Ethernet and MPI interface, incl. STEP 7 driver
NETLINK-CROSS	Ethernet Cross Link cable, length 3 m, only in combination with NETLINK-PRO-ETH
RS232-MPI/HS	NETLINK-PRO-ETH and NETLINK-PRO-USB fastener for DIN rail, only in combination with a NETLink product
S5-PCLINK	S5-PCLink, SIMATIC S5 adapter with Ethernet interface
PPI-ADAPTER	PPI adapter for serial coupling to S7-200 control systems
OPC-S7	S7/S5-OPC-Server for Windows 98/ME/NT/2000/XP with license as software key ^{L)}
OPC-S7-NETLP-ETH	S7/S5-OPC-Server license with NETLINK-PRO-ETH and fastener RS-232-MPI/HS



Part Number	Description
OPC-S7-NETLP-USB	S7/S5-OPC-Server license with NETLINK-PRO-USB
OPC-S7-PRO1-PCI	S7/S5-OPC-Server license with PBpro PCI single channel, software license on Softing interface card ^{L)}
OPC-S7-FG100	S7/S5-OPC-Server license ^{L)} with FG-100 PROFIBUS
OPC-S7-S5PCLINK	S7/S5-OPC-Server license ^{L)} including S5-PCLINK adapter

Part Number	Description
FDT/DTM Device Configuration	
DTM-PB-S	PROFIIdtm - DP-V1 CommDTM for Windows 98/NT/2000/XP, single channel - for access to devices in one PROFIBUS line, with license as software key ^{L)}
DTM-PB-F	PROFIIdtm - DP-V1 CommDTM for Windows 98/NT/2000/XP, full version - for access to devices in up to five PROFIBUS lines, with license as software key ^{L)}
DTM-PB-S-PRO1-PCI	DTM-PB-S license with PBpro PCI single channel, software license on Softing interface card ^{L)}
DTM-PB-S-CARD	DTM-PB-S license with PROFIcond Master, software license on Softing interface card ^{L)}
DTM-PB-S-USB	DTM-PB-S license with PROFIcond Master, software license on Softing interface card ^{L)}
DTM-PB-S-FG100	DTM-PB-S license ^{L)} with FG-100 PROFIBUS
DTM-PB-F-FG300	DTM-PB-F license ^{L)} with FG-300 PROFIBUS
DTM-PALINK-1	PALINKdtm - Gateway DTM for Siemens DP/PA Link for Windows 2000/XP; supports the communication with PA devices in one DP/PA link line, with license as software key ^{L)}
DTM-PALINK-5	PALINKdtm for the communication with PA devices in max. 5 DP/PA link lines, with license as software key ^{L)}
DTM-PALINK-10	PALINKdtm for the communication with PA devices in max. 10 DP/PA link lines, with license as software key ^{L)}

Part Number	Description
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CAN (CAN, DeviceNet, CANopen)

Interface Boards with Layer 2 Interface (API) and Mounting Equipment

CAN-AC1-PCI	PCI - Board, one CAN bus, with MicroController, with galvanic isolation
CAN-AC1-PCI/DN	PCI - Board, one CAN bus with DeviceNet connector, with MicroController
CAN-AC2-PCI	PCI - Board, two CAN buses, with MicroController, with galvanic isolation
CAN-PRO1-PC104+	PC/104 plus - Board, with MicroController, one CAN bus, with galvanic isolation, Universal PCI 3,3 / 5V-compatible
CAN-PRO1-PC104+XT	CANpro PC/104plus with MicroController, one CAN-Bus with galvanic isolation, Universal PCI 3,3 / 5V-compatible, extended temperature range
CAN-PRO2-PC104+	CANpro PC/104plus with microController, two CAN-Busse with galvanic isolation, Universal PCI 3,3 / 5V-compatible
CAN-PRO2-PC104+XT	CANpro PC/104plus with MicroController, two CAN-Bus with galvanic isolation, Universal PCI 3,3 / 5V-compatible, extended temperature range
CAN-AC1-104	PC/104-Board, with MicroController, one CAN-Bus with galvanic isolation
CAN-AC1-104/DN	PC/104 - Board, with MicroController, one CAN bus with external DeviceNet connector
CAN-AC2-104	PC/104 - Board, with MicroController, two CAN buses, with galvanic isolation
CAN-AC2-104/I	PC/104 - Board, with MicroController, two CAN buses, for extended temperature range
CAN-OEM1-104 ¹⁾	PC/104-Board, without MicroController, one CAN-Bus without galvanic isolation
CAN-OEM1-104-ISO ¹⁾	PC/104-Board, without MicroController, one CAN-Bus with galvanic isolation
CAN-OEM2-104 ¹⁾	PC/104 - Board, without MicroController, two CAN buses, without galvanic isolation
CAN-OEM2-104-ISO ¹⁾	PC/104 - Board, without MicroController, two CAN buses, with galvanic isolation
CANusb	CANusb Interface, with MicroController, one channel, with galvanic isolation
CANcard2	CAN PC Card (PCMCIA), Type II, with MicroController, two CAN buses with bus adapter cable
CANcard2/DHSC	Bus adapter cable with double DB 9 connector for CANcard2 (High Speed)
PCcard2-PFX	CANcard2 mounting kit with strain-relief
CRPCI-1R	PCcard adapter for rear installation (needs 1 PCI-slot)
CRPCI-1F	PCcard adapter for front installation (needs 1 PCI-Slot)

Drivers

Standard Drivers	for various operating systems are available free of charge, see www.softing.com for detailed and up to date information about the available drivers and for the driver download
VX-CAN	VxWorks driver for PCI and PC/104 boards

CANopen Interfaces

CAN-OPN/API	CANopen Master-API for CAN Interfaces
CAN-PCI/OPN	CANopen Master-API with CAN-AC1-PCI
CAN-104/OPN	CANopen Master-API with CAN-AC1-104
CAN-CC2/OPN	CANopen Master-API with CANcard2

DeviceNet Interfaces

CAN-DN/API	DeviceNet Master-API for CAN interfaces
CAN-PCI/DN	DeviceNet Master-API with CAN-AC1-PCI/DN



Part Number	Description
CAN-104/DN	DeviceNet Master-API with CAN-AC1-104/DN
CANcard2/DN	DeviceNet Master-API with CANcard2

CANopen Development Tools

CAN-CON/OPN	CANopen configuration and engineering software
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Part Number	Description
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Diagnostic Tools

X-Analyser-ECO	CAN analyser software for Windows, ECONOMY version
X-Analyser	CAN analyser software for Windows, full version, with graphics/signals
X-Analyser-UPG	Upgrade from ECO to full version
X-AnalyserOPT/CO ¹⁾	Option CANopen for X-Analyser
X-AnalyserOPT/DN ¹⁾	Option DeviceNet for X-Analyser
X-AnalyserOPT/19 ¹⁾	Option J1939 für X-Analyser (requires full version of X-Analyser)
BC-200-CAN	CAN, CANopen network tester, wide-range power supply, SW for Windows 98/ME/2000/XP on CD, user manual and accessories in a handy carrying case
BC-200-CAN / DN	CAN, DeviceNet network tester, wide-range power supply, SW for Windows 98/ME/2000/XP on CD, user manual and accessories in a handy carrying case

OPC Server

OPC-CANopen	CANopen OPC Server with configurator for Windows 2000, NT and XP, requires CAN interface with CANopen Master-API
OPC-PCI-CANS	CANopen OPC Server with configurator, with CANopen PCI card CAN-PCI/OPN, software license on Softing interface card ^{L)}
OPC-CC2-CANS	CANopen OPC Server with configurator, with CANopen PC card CAN-CC2/OPN Sof, software license on Softing interface card ^{L)}
OPC-104-CANS	CANopen OPC Server with configurator, with CANopen PC/104 card CAN-104/OPN, software license on Softing interface card ^{L)}

Repair of Hardware Devices

PROB-ANALYSIS	Repair cost rate for error diagnostics; will be credited against cost for repair
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Part Number	Description
OPC - Openess, Productivity & Collaboration	
OPC Toolbox	
OPC-DA-SDK	Developer license ¹⁾ for C++ and .NET Data Access (DA) Server; incl. source code
OPC-DA-SDK-RT	Runtime license ²⁾ for C++ and .NET DA Server (1 piece / for 1 machine), electronic delivery, license as software key ^{L)}
OPC-AE-SDK	Developer license ¹⁾ for C++ and .NET Alarms & Events (AE) Server; incl. source code
OPC-AE-SDK-RT	Runtime license ²⁾ for C++ and .NET AE Server (1 piece/ for 1 machine), electronic delivery, license as software key ^{L)}
OPC-DA-CDK	Developer license ¹⁾ for C++ and .NET DA Client including .NET Control; incl. source code
OPC-DA-CDK-RT	Runtime license ²⁾ for C++ and .NET DA Client including .NET Control (1 piece / for 1 machine), electronic delivery, license as software key ^{L)}
OPC-AE-CDK	Developer license ¹⁾ for C++ and .NET AE Client; incl. source code
OPC-AE-CDK-RT	Runtime license ²⁾ for C++ and .NET AE Client (1 piece / for 1 machine), electronic delivery, license as software key ^{L)}
OPC-DA/AE-SDK	Developer license ¹⁾ for C++ and .NET DA and AE Server; incl. source code
OPC-DA/AE-CDK	Developer license ¹⁾ for C++ and .NET DA and AE Client; incl. source code
OPC-DA-TB	Developer license ¹⁾ for C++ and .NET DA Server and Client; incl. source code
OPC-AE-TB	Developer license ¹⁾ for C++ and .NET AE Server and Client; incl. source code
OPC-DA/AE-TB	Developer license ¹⁾ for C++ and .NET DA and AE Server and Client; incl. source code
OPC-XMLDA-SDK-WIN	Developer license ¹⁾ for C++ and .NET XML-DA Server in Windows environment; incl. source code
OPC-XMLDA-SDK-RT	Runtime license ²⁾ for C++ and .NET XML-DA Server (1 piece/ for 1 machine), electronic delivery, license as software key ^{L)}
OPC-XMLDA-SDK-LIN	Developer license ¹⁾ for C++ XML-DA Server in Linux environment; incl. source code
OPC-XMLDA-CDK-WIN	Developer license ¹⁾ for C++ and .NET XML-DA Client in Windows environment; incl. source code
OPC-XMLDA-CDK-RT	Runtime license ²⁾ for C++ and .NET XML-DA Client (1 piece/ for 1 machine), electronic delivery, license as software key ^{L)}
OPC-XMLDA-CDK-LIN	Developer license ¹⁾ for C++ XML-DA Client in Linux environment; incl. source code
OPC-XMLDA-TB-WIN	Developer license ¹⁾ for C++ and .NET XML-DA Server and Client in Windows environment; incl. source code
OPC-XMLDA-TB-LIN	Developer license ¹⁾ for C++ XML-DA Server and Client in Linux environment; incl. source code

Part Number	Description
OPC Toolbox ActiveX	
OPC-SOAXC	OPC DA Client Controls, developer license ¹⁾
OPC-AE-SOAXC	OPC AE Client Controls, developer license ¹⁾
OPC-SOAXC-RT-1	OPC DA Client Controls ²⁾ , runtime license (1 piece for one computer), electronic delivery, license as software key ^{L)}
OPC-AE-SOAXC-RT-1	OPC AE Client Controls ²⁾ , runtime license (1 piece for one computer), electronic delivery, license as software key ^{L)}
OPC Toolkit Service and Support Agreement	
OPC-MAINTAIN-TB	Service and support agreement for a single or combined OPC toolkit of the OPC Toolbox C++, XPress, ActiveX or .NET. Contains all updates via email and premium support via phone/fax/email during the term of the contract.

¹⁾ The OPC Toolkits are single seat / single user development licenses. It is not allowed to pass the development license to any other computer or developer than registered for. Transfer of the development license to another party e.g. sub contracting company must be indicated and requires a formal agreement by Softing AG.

Runtime free distribution: develop many OPC applications on one machine then distribute them to multiple machines without further runtime fees.

²⁾ Develop any number of OPC servers or clients using the demo version of the OPC Toolkit and run your product on a single machine per runtime license.

Part Number	Description
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OPC SERVER

The OPC Servers for PROFIBUS, CAN and for communication with S7 control systems can be found among the individual communication products for PROFIBUS, CAN and components for communication with S7 control systems.

OPC-MODB-TCP	Modbus/TCP OPC Server license for Windows 2000/XP/2003 incl. configurator, license as software key ^{L)}
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OPC Easy Connect

OPC-EC-BCL	OPC Easy Connect basic license for OPC-Tunnel, -Bridge, -Optimizer, -Filter, -Concentrator, -Storage, -Collector and OPCtoDataBase; supports the access to one OPC server; the OPC-Collector supports the access to max. 25 OPC Items; license as software key ^{L)}
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OPC-EC-SRV-10/L	Extension licence to OPC-EC-BCL for the access to max. 10 OPC servers at the same time; license as software key ^{L)}
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OPC-EC-SRV-20/L	Extension licence to OPC-EC-BCL for the access to max. 20 OPC servers at the same time; license as software key ^{L)}
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OPC-EC-SRV-50/L	Extension licence to OPC-EC-BCL for the access to max. 50 OPC servers at the same time; license as software key ^{L)}
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OPC-EC-SRV-100/L	Extension licence to OPC-EC-BCL for the access to max. 100 OPC servers at the same time; license as software key ^{L)}
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OPC-EC-ITM-250/L	Extension licence to OPC-EC-BCL for the access of OPC Collector to max. 250 OPC items at the same time; license as software key ^{L)}
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OPC-EC-ITM-1000/L	Extension licence to OPC-EC-BCL for the access of OPC Collector to max. 1.000 OPC items at the same time; license as software key ^{L)}
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OPC-EC-ITM-2500/L	Extension licence to OPC-EC-BCL for the access of OPC Collector to max. 2500 OPC items at the same time; license as software key ^{L)}
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OPC-EC-ITM-5000/L	Extension licence to OPC-EC-BCL for the access of OPC Collector to max. 5.000 OPC items at the same time; license as software key ^{L)}
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OPC-EC-ITM-10000/L	Extension licence to OPC-EC-BCL for the access of OPC Collector to max. 10.000 OPC items at the same time; license as software key ^{L)}
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Part Number	Description
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Licensing

Softing's OPC, FDT/DTM, PROFINET and other products and their scalable features are licensed and managed following a uniform concept. We support the following options to address different customer needs:

- Node-locked license with software key
- Portable license with dongle for USB port
- Portable license with dongle for parallel port
- Software license on Softing interface cards

Software Key

The OPC Toolkit development licenses include a license key which activates the product indefinitely when it is entered in the Softing License Manager.

The driver, server, OPC Easy Connect and FDT/DTM products and runtime licenses of OPC Toolkits come with a temporary key which temporarily activates the product (e.g., for 14 days) when it is entered in the Softing License Manager. With the Softing License Manager, a node-locked installation key (fingerprint of the computer) is generated and exchanged with Softing for the final activation key. An exact description of this process can be found in the online help for the Softing License Manager.

Hardware Dongle

As an alternative to the software key, you can acquire one or more product licenses in a portable dongle for an extra charge. Softing offers dongles for USB and parallel port interfaces .

LIC-USB-1	USB dongle for one product, only in combination with the corresponding product license
LIC-USB-X	USB dongle for multiple products e.g., DTM-PB-S, DTM-PALINK-1 or OPC-EC-BCL, OPC-PB and OPC-MODB-TCP only in combination with the corresponding product licenses
LIC-PAR-1	Parallel port dongle for one product, only in combination with the corresponding product license
LIC-PAR-X	Parallel port dongle for multiple products e.g., DTM-PB-S, DTM-PALINK-1 or OPC-EC-BCL, OPC-PB and OPC-MODB-TCP, only in combination with the corresponding product licenses

Software License on Softing Interface Cards

Some software products that can be purchased bundled with a Softing interface card (e.g., PROFIBUS OPC server with PROFlusb interface card) contain a software license on the interface card and can be used together with the hardware without requiring prior activation.