Controller - PC WORX RT BASIC - 2700291

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This software PLC enables your PC to now handle all control tasks in realtime. Of course, this will not affect the usual reliability and stability of your conventional PLC. Control your processes as required via PROFINET or INTERBUS.

Product Features

- Engineering with PC Worx (IEC 61131-3)
- INTERBUS connection via PC controller board
- Integrated PROFINET controller and PROFINET device
- Numerous protocols supported such as: HTTP, FTP, SNTP, SNMP, SMTP, SQL, MySQL, etc.
- Easy installation on Valueline industrial PCs
- FTP server
- OPC support using an AX OPC server
- Integrated web server for visualization with WebVisit

Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	303.2 GRM
Custom tariff number	85234945
Country of origin	United States

Technical data

Functions

Basic functions	Complete PLC
	PROFINET controller and device functionality only in conjunction with a Valueline PC
	INTERBUS functionality only in conjunction with an INTERBUS master controller board

Hardware requirements

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Technical data

Hardware requirements

Interfaces	Ethernet port, USB port
Hard disk	min. 1 GByte
Monitor resolution	XGA (1024 x 768)
Operating equipment	Keyboard, mouse recommended
CPU	INTEL Core2™ Duo 1.5 GHz recommended
Optical drive	DVD-ROM

Operating systems

Operating systems	MS Windows XP SP3, MS Windows 7 (32 bit)

Software requirements

Supported browsers	Internet Explorer 5.5 or higher

IEC-61131 runtime system

Application type	Distributed control technology
Performance class	High control performance and large-sized memory
Programmable under	PC WorX in IEC 61131
Program memory	8 Mbyte
Mass storage	16 Mbyte
Retentive mass storage	240 kByte
Number of data blocks	(depends on mass storage)
Number of control tasks	16
Number of timers, counters	(Depends on mass storage)
Processing speed	0.001 ms (1 K mixed instructions, Core2™ Duo 1.5 GHz)
	0.7 µs (1 K bit instructions, Core2™ Duo 1.5 GHz)
Device function	PROFINET controller, PROFINET device
Realtime clock	Yes

Classifications

eCl@ss

eCl@ss 4.0	27240602
eCl@ss 4.1	27240603
eCl@ss 5.0	27242215
eCl@ss 5.1	27240603
eCl@ss 6.0	27240603
eCl@ss 7.0	27240603
eCl@ss 8.0	27240603

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Classifications

ETIM

ETIM 4.0	EC001416
ETIM 5.0	EC002537

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Accessories

Accessories

Drivers and interfaces

Software - AX OPC SERVER - 2985945



AX OPC SERVER, communication interface for OPC-capable visualization with PC WORX-based controls.

Industrial PC

Industrial PC - VALUELINE IPC - 2913108



IP65-rated industrial panel PC (PPC) or IP20-rated box PC (BPC) with fanless design and Intel® CPU. Up to 3 GB of RAM. Mass storage options include HDD and SSD formats. Offered with a selection of operating systems. PCI and CompactFlash® (CF) expansion slots are available.

PC controller board

Termination board - IBS PCI SC/I-T - 2725260



PCI master controller board with electrical isolation

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Accessories

Programming

Software - PC WORX BASIC LIC - 2985275



Software package for PC-based automation solutions, PC WORX BASIC license, contains all 5 IEC languages, without MSFC compiler, max. 256 byte input and output data, version-specific license key

Software - PC WORX PRO LIC - 2985385



Software package for PC-based automation solutions, PC WORX PRO license, contains all 5 IEC languages, with MSFC compiler, max 128 kB input and output data, version-specific license key

Required add-on products

Industrial PC - VALUELINE IPC - 2913108



IP65-rated industrial panel PC (PPC) or IP20-rated box PC (BPC) with fanless design and Intel® CPU. Up to 3 GB of RAM. Mass storage options include HDD and SSD formats. Offered with a selection of operating systems. PCI and CompactFlash® (CF) expansion slots are available.

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