

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, 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 pc
Weight per Piece (excluding packing)	303.2 g
Custom tariff number	85234925
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
	Integration of Modbus/TCP in the firmware

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Technical data

Hardware requirements

Hard disk	min. 1 GByte
CPU	min. Intel® Core™2 Duo
Interfaces	Ethernet port, USB port
Optical drive	DVD-ROM
Monitor resolution	XGA (1024 x 768)
Operating equipment	Keyboard, mouse recommended

Software requirements

Operating systems	Windows® 7 (32-Bit/64-Bit)
	Windows® Embedded Standard 7
	Windows® Embedded 2009
	Windows® XP (SP3)
	Windows® 8.1 (32-Bit/64-Bit)
Supported browsers	Internet Explorer Version 8 or later

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	27248002
eCl@ss 4.1	27248002
eCl@ss 5.0	27242501
eCl@ss 5.1	27242501

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Classifications

eCl@ss

eCl@ss 6.0	27242501
eCl@ss 7.0	27242501
eCl@ss 8.0	27242501

ETIM

ETIM 2.0	EC000809
ETIM 3.0	EC000809
ETIM 4.0	EC000809
ETIM 5.0	EC000809

UNSPSC

UNSPSC 6.01	81111810
UNSPSC 7.0901	81111810
UNSPSC 11	81111810
UNSPSC 12.01	43232401
UNSPSC 13.2	43232401

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® processor. 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

Controller - PC WORX RT BASIC - 2700291

Accessories

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



PCI master controller board with electrical isolation

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. 2048 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® processor. 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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