

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.

Your advantages

- ✓ 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 pc
GTIN	 4 046356 529112
GTIN	4046356529112

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

Hardware requirements

Hard disk	min. 1 GByte
RAM	min. 2 GByte

Controller - PC WORX RT BASIC - 2700291

Technical data

Hardware requirements

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 system	Windows® 7 (32-Bit/64-Bit)
	Windows® 8.1 (32-Bit/64-Bit)
	Windows® Embedded Standard 7
	Windows® Embedded 2009
	Windows® 10 (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, Intel® Core™2 Duo 1.5 GHz)
	0.7 µs (1 K bit instructions, Intel® Core™2 Duo 1.5 GHz)
Device function	PROFINET controller, PROFINET device
Realtime clock	Yes

Classifications

eCl@ss

eCl@ss 10.0.1	27242501
eCl@ss 4.0	27248000
eCl@ss 4.1	27248000
eCl@ss 5.0	27242500
eCl@ss 5.1	27242500
eCl@ss 6.0	27242500
eCl@ss 7.0	27242501
eCl@ss 8.0	27242501
eCl@ss 9.0	27242501

Controller - PC WORX RT BASIC - 2700291

Classifications

ETIM

ETIM 2.0	EC000809
ETIM 3.0	EC000809
ETIM 4.0	EC000809
ETIM 5.0	EC000809
ETIM 6.0	EC000809
ETIM 7.0	EC000809

UNSPSC

UNSPSC 6.01	81111810
UNSPSC 7.0901	81111810
UNSPSC 11	81111810
UNSPSC 12.01	43232401
UNSPSC 13.2	43233603
UNSPSC 18.0	43233603
UNSPSC 19.0	43233603
UNSPSC 20.0	43233603
UNSPSC 21.0	43233603

Accessories

Accessories

Drivers and interfaces

Software - AX OPC SERVER - 2985945



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

Software - PC WORX UA SERVER-PLC 40 - 2402685



OPC UA server for communication with a maximum of 25 controllers

Controller - PC WORX RT BASIC - 2700291

Accessories

Software - PC WORX UA SERVER-PLC 80 - 2402686



OPC UA server for communication with a maximum of 200 controllers

Industrial PC

Industrial PC - VL2 BPC 1000 - 2403046



IP30-rated industrial box PC (BPC) with fanless design and Intel® Atom™ E3845 processor with up to 4 GB of RAM. Mass storage options include HDD and SSD.

Industrial PC - VL BPC 2000 - 2402759



IP20-rated Valueline® industrial box PC (BPC) with fanless design. Energy-efficient Intel® quad-core Celeron® N2930 processor. Up to 8 GB of RAM. Mass storage options include CFast®, HDD, and SSD formats.

Industrial PC - VL BPC 3000 - 2400183



IP20-rated industrial box PC (BPC) with fanless design and Intel®Core™ i3-4010U processor. Up to 16 GB of RAM. Mass storage options include CFast®, HDD and SSD formats. PCI expansion slots are available.

Industrial PC - VL2 BPC 2000 - 2400332



IP30-rated Valueline® industrial box PC (BPC) with fanless design and Intel® Celeron® N2930 processor. Up to 8 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

Controller - PC WORX RT BASIC - 2700291

Accessories

Industrial PC - VL2 BPC 3000 - 2400492



IP30-rated industrial box PC (BPC) with fanless design and Intel® Core™ i3-4010U processor. Up to 16 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

Industrial PC - VL2 BPC 7000 - 2400333



IP30-rated Valueline® industrial box PC (BPC) with fanless design and Intel® Core™ i5-4300U processor with up to 16 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

Panel PC - VL2 PPC7 1000 - 2403708



IP65-rated Valueline® industrial panel PC (PPC) with 17.8 cm/7-inch TFT display, fanless design, and Intel® Atom™ E3845 processor. Up to 4 GB of RAM. Mass storage options up to 64 GB.

Panel PC - VL2 PPC9 1000 - 2403709



IP65-rated Valueline® industrial panel PC (PPC) with 22.9 cm/9-inch TFT display, fanless design, and Intel® Atom™ E3845 processor. Up to 4 GB of RAM. Mass storage options up to 64 GB.

Panel PC - VL2 PPC12 1000 - 2403710



IP65-rated Valueline® industrial panel PC (PPC) with 30.7 cm/12.1-inch TFT display, fanless design and Intel® Atom™ E3845 processor. Up to 4 GB of RAM. Mass storage options up to 64 GB.

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Accessories

Panel PC - VL2 PPC 1000 - 2403047



IP65-rated Valueline® industrial panel PC (PPC) with fanless design and Intel® Atom™ E3845 processor. Up to 4 GB of RAM. Mass storage options include HDD and SSD.

Panel PC - VL2 PPC 2000 - 2400334



Valueline® industrial panel PC (PPC) with fanless design with IP66 degree of protection and Intel® Celeron® N2930 processor. Up to 8 GB RAM. Mass storage options include HDD and SSD. One slot for a PCI or PCIe card is available as an option.

Panel PC - VL2 PPC 3000 - 2400498



Valueline® industrial panel PC (PPC) with fanless design with IP66 degree of protection and Intel® Core™ i3-4010U processor. Up to 16 GB RAM. Mass storage options include HDD and SSD. One slot for a PCI or PCIe card is available as an option.

Panel PC - VL2 PPC 7000 - 2400346



IP66-rated Valueline® industrial panel PC (PPC) with fanless design and Intel® Core™ i5-4300U processor with up to 16 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

Panel PC - DL PPC15 1000 - 2701665



IP65, VESA mounted, fanless industrial PC with LED-backlit 15-inch LCD display and single-touch resistive touch screen. Energy-efficient Intel® Atom™ processor. 2 GB RAM. HDD/SDD mass storage options with choice of operating system.

Controller - PC WORX RT BASIC - 2700291

Accessories

Panel PC - DL PPC15M 1000 - 2701666



IP65, VESA mounted, fanless industrial PC with LED-backlit 15" LCD display and multi-touch capacitive touch screen. Energy-efficient Intel® Atom™ processor. 2 GB RAM. HDD/SDD mass storage options with choice of operating system.

Panel PC - DL PPC15M 7000 - 2400017



Full IP65, VESA mounted, fanless industrial PC with LED-backlit 15-inch LCD display and multi-touch capacitive touchscreen. Powerful Intel® i7 processor and configurable RAM, mass storage and operating system options.

Panel PC - DL PPC18.5M 7000 - 2400015



Full IP65, VESA mounted, fanless industrial PC with LED-backlit 18.5-inch LCD widescreen display and multi-touch capacitive touchscreen. Powerful Intel® i7 processor and configurable RAM, mass storage and operating system options.

Panel PC - DL PPC21.5M 7000 - 2400016



Full IP65, VESA mounted, fanless industrial PC with LED-backlit 21.5-inch LCD widescreen display and multi-touch capacitive touchscreen. Powerful Intel® i7 processor and configurable RAM, mass storage and operating system options.

PC controller board

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



PCI master controller board with electrical isolation

Programming

Controller - PC WORX RT BASIC - 2700291

Accessories

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

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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