

VL BPC 3000 - Box PC



2400183

<https://www.phoenixcontact.com/pc/products/2400183>

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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.

Product description

Phoenix Contact Valueline® industrial computer with configuration options. Options include display, data storage, RAM, PCI slots, CFast® slots, and mounting method.

Your advantages

- Compact, rugged housing
- Flexible mounting options
- Wall, bookshelf
- Two integrated 10/100/1000 Ethernet ports with independent MAC addresses
- USB 2.0 and 3.0 ports
- Up to 16 GB RAM

Commercial data

Item number	2400183
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DRBAAA
Catalog page	Page 476 (C-6-2019)
Weight per piece (including packing)	21 g
Weight per piece (excluding packing)	1.8 g
Customs tariff number	84715000
Country of origin	DE

Technical data

Product properties

Product type	Box PC
Computer data	
Processor	Intel® Core™ i3-4010U 1.7 GHz
Operating system	without operating system
	Windows® 7 Ultimate SP1 (32-bit), Multi-language
	Windows® 7 Ultimate SP1 (64 bit), Multi-language
	Windows® 7 Professional SP1 (32-bit), German
	Windows® 7 Professional SP1 (64-Bit), German
	Windows® 7 Professional SP1 (32-bit), English
	Windows® 7 Professional SP1 (64-bit), English
	Windows® 7 Professional SP1 (32-bit), Chinese
	Windows® 7 Professional SP1 (64-Bit), Chinese
	Windows® Embedded Standard 7 SP1 (32-bit), Multi-language
	Windows® Embedded Standard 7 E SP1 (32-bit)
	Windows® 10 IoT Enterprise LTSC 2015 (32-bit), Multi-language
	Windows® 10 IoT Enterprise LTSC 2015 (64-bit), Multi-language
	Windows® 10 IoT Enterprise LTSC 2016 (32-bit), Multi-language
	Windows® 10 IoT Enterprise LTSC 2016 (64-bit), Multi-language
RAM	4 GB DDR3 SODIMM
	8 GB DDR3 SODIMM
	16 GB DDR3 SODIMM
Data storage system	without data storage
	CompactFlash®, 1 GB
	CompactFlash®, 2 GB
	CompactFlash®, 4 GB
	CompactFlash®, 8 GB
	CompactFlash®, 16 GB
	CompactFlash®, 32 GB
	SSD (SLC), 16 GB
	SSD (SLC), 32 GB
	2.5" HDD SATA, 320 GB
	2.5" HDD SATA, 500 GB
	2.5" SSD (MLC), 150 GB
	2.5" SSD (MLC), 240 GB
	2.5" SSD (MLC), 480 GB
Cooling	passive
PCI option 1	without slot
	open PCI slot
PCI option 2	without slot

VL BPC 3000 - Box PC



2400183

<https://www.phoenixcontact.com/pc/products/2400183>

Slots	open PCI slot
	without slots
	2x PCI
Optical drive	without drive
Disk drive	none
Software keyboard	English

Display

Display type	without display
Screen resolution	without
Touch technology	Without touch technology
Display lighting type	without

System properties

User software	without user software
	PC WORX SRT
	PC WORX RT BASIC
	VLC runtime
	VLC runtime / Citect HMI

Electrical properties

Service life of battery	5 years (typical)
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Supply

Supply voltage	24 V DC (typical)
Supply voltage range	19.2 V DC ... 28.8 V DC
Power supply unit	24 V DC $\pm$ 20 %

Real-time clock

Realtime clock	Yes (battery-backed)
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Interfaces

Interfaces	1x COM (RS-232/422/485)
	3x USB 2.0
	1x USB 3.0
Monitor output	1x DisplayPort
	1x DVI-D
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® I210-IS

Dimensions

Width	265 mm
Height	207 mm
Depth	87 mm
Note on dimensions	dependent on configuration

VL BPC 3000 - Box PC



2400183

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External dimensions

Width / Height / Depth	265 mm / 207 mm / 87 mm (dependent on configuration)
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Installation dimensions

Width / Height / Installation depth	// (dependent on configuration)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 50 °C (Configuration options can affect the operating temperature. See user manual for details)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock	15g, 11 ms impulse in accordance with IEC 60068-2-27
Vibration (operation)	IEC 60068-2-27

Mounting

Mounting type	Bookshelf mounting
	Wall mounting

VL BPC 3000 - Box PC



2400183

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2400183>

	EAC Approval ID: RU C-DE.A*08.B01708
	UL Listed Approval ID: E238705
	cUL Listed Approval ID: E238705
	EAC-RoHS Approval ID: RU*-DE*HB.B.00386/20
	cUL Listed Approval ID: E196811
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2400183

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Classifications

ECLASS

ECLASS-11.0	19200102
ECLASS-12.0	19200102
ECLASS-13.0	19200102

ETIM

ETIM 9.0	EC001413
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UNSPSC

UNSPSC 21.0	43211500
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead titanium zirconium oxide(CAS: 12626-81-2)
	Lead titanium trioxide(CAS: 12060-00-3)
	Lead(CAS: 7439-92-1)

VL BPC 3000 - Box PC



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Accessories

WES2009 / WES7 RECOVERY USB - Software package

2400303

<https://www.phoenixcontact.com/pc/products/2400303>



Operating system recovery kit for Windows® Embedded 2009 and Windows Embedded 7 operating systems. Kit includes a USB drive.

VL I7 HDD TRAY - Removable hard drive tray

2701015

<https://www.phoenixcontact.com/pc/products/2701015>



Removable hard drive tray for Valueline IPC with Intel® Core™ I7 processor

VL BPC 3000 - Box PC

2400183

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IPC 4 GB CFAST KIT - Memory

2400168

<https://www.phoenixcontact.com/pc/products/2400168>

4 GB CFast® card



IPC 16 GB CFAST KIT - Memory

2400170

<https://www.phoenixcontact.com/pc/products/2400170>

16 GB CFast® card



VL BPC 3000 - Box PC

2400183

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IPC 32 GB CFAST KIT - Memory

2402978

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32 GB CFast® card



DP TO VGA ADPTR - Adapter

2400173

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DisplayPort to VGA video adapter



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DP TO DVI ADPTR - Adapter

2400174

<https://www.phoenixcontact.com/pc/products/2400174>

DisplayPort to DVI-i video adapter



VL 2.0M DP CABLE - Connecting cable

2404774

<https://www.phoenixcontact.com/pc/products/2404774>

DisplayPort (DP) cable (2 m) for use with industrial computers



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VL 2000/3000 240 GB SSD KIT - Memory

1066259

<https://www.phoenixcontact.com/pc/products/1066259>



240 GB, 2.5" SATA solid-state drive (MLC) kit for Valueline IPC with Intel® Core™ i7 processor. Includes tray.

WIN7 TO WIN10 2016 KIT - VALUE - Software package

1096119

<https://www.phoenixcontact.com/pc/products/1096119>



Kit for upgrading specific Windows® 7 operating system to Windows 10 2016 IoT LTSC (Value) operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Supported IPC platforms for the Windows 10 IoT LTSC 2016 Value license include: BL BPC/PPC 3000, VL BPC/PPC 3000, VL2 BPC/PPC 3000/7000, and BL RM... with an i3-4330TE 2.4 GHz processor (I40 configuration code).

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VL BOOKSHELF MOUNTING KIT - Mounting kit

2913160

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Mounting kit, Valueline IPC. Includes hardware for bookshelf installation without PCI expansion slots.

VL WALL MOUNTING KIT - Mounting kit

2913161

<https://www.phoenixcontact.com/pc/products/2913161>



Mounting kit, Valueline IPC. Includes hardware for wall installation.

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VL BOOKSHELF MOUNTING KIT/EXPANSION - Mounting kit

2913164

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Mounting kit, Valueline IPC. Includes hardware for bookshelf installation with PCI expansion slots.



60 GB M.2 MLC SSD KIT - Memory

2404867

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60 GB SATA III 60 mm M.2 SSD for industrial PPC and BPC products



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120 GB M.2 MLC SSD KIT - Memory

2404868

<https://www.phoenixcontact.com/pc/products/2404868>

120 GB SATA III 60 mm M.2 SSD for industrial PPC and BPC products



VISU+ IPC UPGRADE - Visualization software

1310994

<https://www.phoenixcontact.com/pc/products/1310994>



Visu+ IPC UPGRADE product is a made-to-order upgrade to the Visu+ HMI runtime that was originally ordered with your Phoenix Contact IPC system.

VL BPC 3000 - Box PC



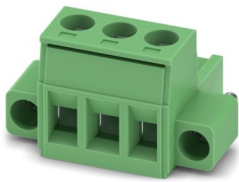
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MSTB 2,5/ 3-STF-5,08 - PCB connector

1777992

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PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTB 2,5/...-STF, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, locking clip: - without locking clip, plug-in system: COMBICON MSTB 2,5, locking: Screw locking mechanism, mounting: Screw flange, type of packaging: packed in cardboard

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