PHŒNIX CONTACT

Industrial PC - VL BPC 1000 - 2701291

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IP20-rated, fanless industrial box PC (BPC) with energy-efficient Intel® Atom™ processor. 2 GB RAM, 1 GB to 32 GB of CompactFlash (CF) mass storage with choice of operating system.

Product Description

Fanless IPC in a small, compact form factor with Intel® Atom™ 1.66 GHz N455 processor. Wall or DIN rail mountable. Available with Windows® Embedded Standard 2009 or Embedded Standard 7 OS, up to 2 GB RAM, and CompactFlash® cards up to 8 GB.

Why buy this product

- ☑ Custom configurable
- ☑ Fanless design for industrial applications
- ☑ Energy-efficient Intel® Atom™ processor
- ☑ Wall or DIN rail mounting
- ☑ Space-saving form factor
- ☑ IP20 degree of protection
- ☑ Ambient operating temperatures from 0 °C to 50 °C

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	1825.0 g
Custom tariff number	84714100
Country of origin	Taiwan
Note	Made to Order (non-returnable)

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Computer data

Processor	Intel® Atom™ N455 1.66 GHz
Processor fan	without fan
Operating systems	without operating system
	MS Windows® Embedded Standard 2009

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Technical data

Computer data

	Windows Embedded Standard 7
RAM	2 GB DDR3 SODIMM
Mass storage	without mass storage
	1GB CF Card
	2 GB CF Card
	4 GB CF Card
	8 GB CF Card
	16 GB CF Card
	32 GB CF Card
Network	2x Ethernet (10/100/1000 Mbps), RJ45
Network chipset	Realtek® 8111D PCI-E
Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	4x USB 2.0
Monitor output	1x VGA
Slots	without slots
Optical drive	Without drive
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Mounting type	Wall mounting
	DIN rail mounting
Weight	1.4 kg

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	5 % ... 95 %
Vibration (operation)	DIN EN 60068-2-6
Shock	15g, 11 ms in accordance with IEC 60068-2-27

Dimensions

External dimension, width	155 mm
External dimension, height	145 mm
External dimension, depth	49 mm
Note regarding external dimension	Wall or DIN (NS 35) rail

Device supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 28.8 V DC

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Technical data

Device supply

Power consumption	12.48 W (typical, at 24 V)
Power supply unit	24 V DC ±20 %

Standards and Regulations

Shock	15g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

Classifications

eCl@ss

eCl@ss 4.0	27250315
eCl@ss 4.1	27250315
eCl@ss 5.0	27259205
eCl@ss 5.1	27242401
eCl@ss 6.0	27259205
eCl@ss 7.0	27242692
eCl@ss 8.0	19200101

ETIM

ETIM 3.0	EC001414
ETIM 4.0	EC001413
ETIM 5.0	EC001413

UNSPSC

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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

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Approvals

Approval details

UL Listed **(UL)**

cUL Listed **(UL)**

cULus Listed **(UL)us**

Accessories

Accessories

Assembly adapter

Assembly adapters - UTA 107/30 - 2320089

Universal DIN rail adapter

Storage medium

Memory card - VL 1 GB CF - 2913155

CompactFlash® card, pluggable, 1 GB

Memory card - VL 2 GB CF - 2913156

CompactFlash® card, pluggable, 2 GB

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Accessories

Memory card - VL 4 GB CF - 2913157

CompactFlash® card, pluggable, 4 GB

Memory card - VL 8 GB CF - 2913158

CompactFlash® card, pluggable, 8 GB

Memory card - 16GB CF - 2701668

CompactFlash® card, can be plugged in, 16 Gbyte

Memory card - 32GB CF - 2701669

CompactFlash® card, can be plugged in, 32 Gbyte

USB adapter

Software package - WES2009 / WES7 RECOVERY USB - 2400303

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

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Accessories

Software package - UPGRADE WIN 7 PRO SP1 X86-EN - 2400573

Kit for upgrading a Windows® XP operating system to Windows 7 Professional SP1 32-bit English-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authority (CoA) sticker.

Software package - UPGRADE WIN 7 PRO SP1 X64-EN - 2400574

Kit for upgrading a Windows® XP operating system to Windows 7 Professional SP1 64-bit English-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Software package - UPGRADE WIN 7 PRO SP1 X86-DE - 2402617

Kit for upgrading a Windows® XP operating system to Windows 7 Professional SP1 32-bit German-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Software package - UPGRADE WIN 7 PRO SP1 X64-DE - 2402618

Kit for upgrading a Windows® XP operating system to Windows 7 Professional SP1 64-bit German-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Software package - UPGRADE WIN 7 ULT SP1 X86 - 2402619

Kit for upgrading a Windows® XP operating system to Windows 7 Ultimate SP1 64-bit multi-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

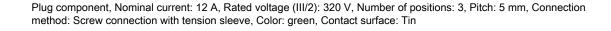# Industrial PC - VL BPC 1000 - 2701291

Accessories

Software package - UPGRADE WIN 7 ULT SP1 X64 - 2402620

Kit for upgrading a Windows® XP operating system to Windows 7 Ultimate SP1 64-bit multi-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Spare parts

Printed-circuit board connector - MSTB 2,5/ 3-STF - 1786844

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin