

VL2 PPC7 1000 - Panel PC



2403708

<https://www.phoenixcontact.com/pc/products/2403708>

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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.

Your advantages

- State-of-the-art operating concepts, thanks to multi-touch support
- Easy to maintain, thanks to easily accessible components
- Fanless design for industrial applications
- Attractive industrial design to upgrade your system
- Robust and sturdy, thanks to glass front suitable for industrial use

Commercial data

Item number	2403708
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DRBAAB
Catalog page	Page 480 (C-6-2019)
Weight per piece (including packing)	200 g
Weight per piece (excluding packing)	180 g
Customs tariff number	84715000
Country of origin	DE

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Technical data

Product properties

Product type	Panel PC
Data management status	
Article revision	11

Computer data

Processor	Intel® Atom™ E3845 1.91 GHz
Operating system	without operating system
	Windows® 7 Professional SP1 (64-Bit), German
	Windows® 7 Professional SP1 (64-bit), English
	Windows® 7 Ultimate SP1 (64 bit), Multi-language
	Windows® 7 Ultimate SP1 (32-bit), Multi-language
	Windows® 7 Professional SP1 (32-bit), English
	Windows® 7 Professional SP1 (32-bit), German
	Windows® Embedded Standard 7 SP1 (32-bit), Multi-language
	Windows® Embedded Standard 7 SP1 (64-bit), Multi-language
	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 2019 (64-bit), Multi-language
RAM	4 GB DDR3
Data storage system	SATA DOM SSD (SLC), 8 GB
	SATA DOM SSD (SLC), 16 GB
	SATA DOM SSD (SLC), 32 GB
	SATA DOM SSD (MLC), 64 GB
Cooling	passive
Slots	1x SD

Display

Display type	17.8 cm / 7"-TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	Projective-capacitive, four-touch control
Display lighting type	LED
Brightness	400 cd/m², typical (adjustable)
MTBF	> 50000 h
Color spectrum	16.7 million colors
Reading angle left	70.00 °
Reading angle right	70.00 °
Reading angle top	60.00 °
Reading angle bottom	60.00 °
Graphics card	Intel® HD Graphics

Electrical properties

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Service life of battery	5 years (typical)
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Supply

Power supply unit	24 V DC $\pm 20\%$
Typical current consumption	1.1 A

Real-time clock

Realtime clock	Yes (battery-backed)
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Interfaces

Interfaces	1x COM (RS-232/422/485)
	2x USB 2.0
	1x USB 3.0
Optional interfaces	Without optional interface
	1x COM (RS-232), 1x COM (RS-485), 2x CAN
	1x COM (RS-232), 1x COM (RS-485)
Monitor output	1x DisplayPort
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® I210-AT

Dimensions

External dimensions

Width / Height / Depth	208 mm / 149 mm / 6 mm (Front plate)
	/ / 88 mm

Installation dimensions

Width / Height / Installation depth	198 mm / 138 mm / 105 mm (Installation cutout (± 0.5 mm))
Installation depth	111 mm, ()

Material specifications

Material front plate	Aluminum (natural anodized, brushed)
Housing material	Sheet steel, galvanized, powder-coated (black)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66 (front), IP30 (back)
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	20 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	20 % ... 85 % (non-condensing)
Shock	DIN EN 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Mounting

Mounting type	Front mounting
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Classifications

ECLASS

ECLASS-11.0	19200103
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ETIM

ETIM 8.0	EC001414
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UNSPSC

UNSPSC 21.0	43211500
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Environmental product compliance

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.)	No substance above 0.1 wt%
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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.

DP TO VGA ADPTR - Adapter

2400173

<https://www.phoenixcontact.com/pc/products/2400173>

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



PC-PWR-FLTR-2 - Buffer module

2402941

<https://www.phoenixcontact.com/pc/products/2402941>



The PC-PWR-FLTR-2 buffers incoming power until operating voltage is reached.
For use with 24 V DC power sources with ascend times over 100 ms 7 A max.

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CUC-V06-F1PGY-UBA/UBBB - Panel-mount frame

1411904

<https://www.phoenixcontact.com/pc/products/1411904>



USB socket insert, 4-pos., USB socket type A to USB socket type B, socket type A to panel mounting frame side, for the Freenet system in the panel mounting frame, IP20 terminal outlet, 19" patch panel, and service interface

VS-04-C-SDA/SDB/1,8 - USB cable

1405578

<https://www.phoenixcontact.com/pc/products/1405578>



USB cable, with USB connectors at both ends, assembled connector type: A on B, length:1.8 m

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VS-08-SD-F - Protective cover

1652606

<https://www.phoenixcontact.com/pc/products/1652606>

Protective cover, IP67, flat design, to cover the contact insert in the panel mounting frame, color: gray



VL2 150 GB SSD SATA KIT - Memory

1054580

<https://www.phoenixcontact.com/pc/products/1054580>

150 GB, 2.5" SATA SSD kit with tray for VL2... industrial PPC and BPC products



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VL2 240 GB SSD KIT - Memory

2403833

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240 GB, 2.5-inch SATA SSD kit with tray for VL2... industrial PPC and BPC products



VL2 500 GB HDD SATA KIT - Memory

1054264

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500 GB, 2.5" SATA HDD kit with tray



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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.

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

1777992

<https://www.phoenixcontact.com/pc/products/1777992>



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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