

Industrial PC - BL PPC 3000 - 2701397

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15" display shown

IP65-rated industrial panel PC (PPC) with resistive touch screen and energy-efficient Intel® dual-core Celeron® processor. Mass storage options include HDD and SSD formats.

Product Description

The BL PPC 3000 is a configurable panel PC that utilizes the Intel® Celeron® 1020E 2.2 GHz processor, chosen for its balance of processing power, graphics performance, and energy efficiency. The robust design and I/O capability make the BL PPC 3000 a product that can be used in a wide variety of applications. The three built-in COM ports enable connections to legacy RS-232 devices. One of the COM ports can also be configured for RS-422 or RS-485 protocols. While the BL PPC 3000 is configurable, pre-configured units provide a basic, fixed configuration: the BL PPC15 3000 includes a 15-inch touch screen and the BL PPC17 3000 includes a 17-inch touch screen. Both models are equipped with 4 GB RAM and are ready for installation of a CF card, HDD or SSD.

Product Features

- Powerful and efficient dual core Intel® Celeron® processor
- IP65 degree of protection (front) IP20 degree of protection (back)
- Three COM ports

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	1.0 g
Country of origin	Taiwan

Technical data

Note

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

Note regarding installation dimension	Dependent on configuration
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Display

Display	38.1 cm/15" TFT
	43,2 cm / 17"-TFT
Screen resolution	1024 x 768 Pixel(s) (XGA)

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Technical data

Display

Backlighting	CCFL
Display backlight MTBF	> 50000 h
Touch technology	Analog resistive

Computer data

Processor	Intel® Celeron® 1020E 2.2 GHz
Processor fan	with fan
Operating systems	without operating system
	Windows® XP Professional OEM, SP3, Multi-language
	Windows® Embedded Standard 2009
	Windows® 7 Professional SP1 64 bit (German)
	Windows® Embedded Standard 7
	Windows® 7 Professional SP1 (64-Bit), English
	Windows® 7 Ultimate SP1 (64 bit), Multi-language
	Windows® 7 Ultimate SP1, Multi-language
	Windows® 7 Professional SP1 (32-Bit), English
	Windows® 7 Professional SP1, German
	Windows® XP Professional OEM, German
	Windows® XP Professional, English
RAM	4 GB DDR3 SODIMM
	8 GB DDR3 SODIMM
	16 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
	16 GB SSD (SLC)
	32 GB SSD (SLC)
	320 GB HDD 2,5" SATA
	80 GB SSD (MLC)
	160 GB SSD (MLC)
Network	2x Ethernet (10/100/1000 Mbps), RJ45
Network chipset	Realtek® 8111F PCI-E

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Technical data

Computer data

Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	4x USB 2.0
Slots	without slots
Optical drive	Without drive
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Mounting type	Front installation
Weight	9.5 kg

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	0 °C ... 45 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	15g, 11 ms in accordance with IEC 60068-2-27

Device supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 28.8 V DC
Power consumption	45.3 W (typical)
Power supply unit	24 V DC \pm 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

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Classifications

eCl@ss

eCl@ss 7.0	27242692
eCl@ss 8.0	19200101
eCl@ss 9.0	19200101

ETIM

ETIM 3.0	EC001425
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 / EAC / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed 

cUL Listed 

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Approvals

EAC

cULus Listed 

Accessories

Accessories

Buffer module

Buffer module - PC-PWR-FLTR-1 - 2402832



The PC-PWR-FLTR-1 buffers incoming power until operating voltage is reached. For use with 24 V DC power sources with ascend times over 100 ms 4 A max.

Mounting material

Mounting plate - VL PPC17 19" RACKMOUNT PLATE - 2701714



Allows 17-inch Basicline and Valueline PPC and 17-inch FPM products to be fitted into a 19-inch rack-mount cabinet using standard PPC mounting procedures.

Mounting plate - VL PPC15 19" RACKMOUNT PLATE - 2701715



Allows 15-inch Basicline and Valueline PPC and 15-inch FPM products to be fitted into a 19-inch rack-mount cabinet using standard PPC mounting procedures.

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Accessories

Removable hard drive tray - BL 3000/7000 SATA TRAY - 2400026



2.5" SATA tray kit for Basicline 3000 and 7000 industrial PC

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

Memory card - VL 4 GB CF - 2913157



CompactFlash® card, pluggable, 4 GB

Memory card - VL 8 GB CF - 2913158



CompactFlash® card, pluggable, 8 GB

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Accessories

Memory - BL 3000/7000 16 GB SSD KIT - 2400022



16 GB, 2.5" SATA SSD kit with tray for Basicline 3000 and 7000 industrial PC

Memory - BL 3000/7000 32 GB SSD KIT - 2400023



32 GB, 2.5" SATA SSD kit with tray for Basicline 3000 and 7000 industrial PC

Memory - BL 3000/7000 80 GB SSD KIT - 2400024



80 GB, 2.5" SATA HDD kit with tray for Basicline 3000 and 7000 industrial PC

Memory - BL 3000/7000 160 GB SSD KIT - 2400025



160 GB, 2.5" SATA SSD kit with tray for Basicline 3000 and 7000 industrial PC

Memory - BL 3000/7000 320 GB HDD KIT - 2400021



320 GB, 2.5" SATA HDD kit with tray for Basicline 3000 and 7000 industrial PC

USB adapter

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Accessories

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.

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.

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Accessories

Software package - UPGRADE WIN 7 ULT SP1 X86 - 2402619



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

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.
