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Industrial PC - BL PPC15 1000 - 2701338

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IP65-rated, fanless, 15-inch industrial panel PC (PPC) with resistive touch screen. Energy-efficient Intel® Atom™ processor with 2 GB RAM. Ready for installation of mass storage device.

Product Description

The Basicline PPC15 1000 is a 15-inch panel PC utilizing the Intel® Atom™ 1.66 GHz N455 processor. The fanless design and rich I/O capability make the BL PPC15 1000 an industrial panel PC that can be used in a wide variety of applications. The three built-in COM ports enable connection to legacy RS-232 devices. One COM port can also be configured for RS-422 or RS-485 protocols. The BL PPC15 1000 offers a seamless balance of processing power and energy efficiency, along with world class connectivity.

Why buy this product

- ☑ IP65 degree of protection (front) IP20 degree of protection (back)
- ☑ LCD display with resistive touch screen
- ☑ Energy-efficient Intel® ATOM™ processors
- ☑ Embedded operating system support only
- ☑ Three COM ports
- ☑ Fanless design

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	84714100
Country of origin	Taiwan

Technical data

Note

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

Dimensions

External dimension, width	410 mm
External dimension, height	309 mm
External dimension, depth	55 mm
Installation dimension, width	386.6 mm

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Technical data

Dimensions

Installation dimension, height	285 mm
Note regarding installation dimension	Installation cutout

Display

Display	38.1 cm/15" TFT
Screen resolution	1024 x 768 Pixel(s) (XGA)
Backlighting	CCFL
Display backlight MTBF	> 50000 h
Touch technology	Resistive industrial touch screen
Colors	16.2 million colors

Computer data

Processor	Intel$^®$ Atom™ N455 1.66 GHz
Cooling	passive
Operating systems	without operating system
RAM	2 GB DDR3 SODIMM
Mass storage	without mass storage
Network	2x Ethernet (10/100/1000 Mbps), RJ45
Network chipset	Realtek$^®$ 8111D PCI-E
Interfaces	4x USB 2.0
	1x COM (RS-232/422/485)
	2x COM (RS-232)
Slots	without slots
Optical drive	Without drive
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Material front plate	Aluminum die-cast
Mounting type	Front installation
Weight	6.5 kg

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	0 °C ... 50 °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

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Technical data

Ambient conditions

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	typ. 12.5 W
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
eCl@ss 9.0	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

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Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed (UL) http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 238705

cUL Listed (UL) http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 238705

cULus Listed (UL)us

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.

Data cable preassembled

USB cable - VS-04-C-SDA/SDB/1,8 - 1405578

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

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Accessories

Mounting material

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.

Protective cover

Protective covers - VS-08-SD-F - 1652606

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

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

Memory - BL PPC 1000 16 GB SSD KIT - 2400073

16 GB, 2.5-inch SATA solid-state drive kit for Basicline PPC 1000. Includes tray.

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Accessories

Memory - BL PPC 1000 32 GB SSD KIT - 2400074

32 GB, 2.5-inch SATA solid-state drive kit for Basicline PPC 1000. Includes tray.

Memory - BL PPC 1000 80 GB SSD KIT - 2400075

80 GB, 2.5-inch SATA solid-state drive kit for Basicline PPC 1000. Includes tray.

Memory - BL PPC 1000 160 GB SSD KIT - 2400076

160 GB, 2.5-inch SATA solid-state drive kit for Basicline PPC 1000. Includes tray.

Memory - BL PPC 1000 320 GB HDD KIT - 2400078

320 GB, 2.5-inch SATA hard-disc drive kit for Basicline PPC 1000. Includes tray.

Panel mounting frame set - CUC-V06-F1PGY-UBA/UBBB - 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

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Spare parts

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Accessories

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