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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
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Dimensions

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

Industrial PC - BL PPC15 1000 - 2701338

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

Industrial PC - BL PPC15 1000 - 2701338

Technical data

Ambient conditions

Shock	15g, 11 ms in accordance with IEC 60068-2-27
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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 \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
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

Approvals

Industrial PC - BL PPC15 1000 - 2701338


Approvals


Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

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

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

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.

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

Industrial PC - BL PPC15 1000 - 2701338

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

Industrial PC - BL PPC15 1000 - 2701338

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.

Industrial PC - BL PPC15 1000 - 2701338

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

Spare parts

Industrial PC - BL PPC15 1000 - 2701338

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

