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Panel 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.

Your advantages

- ☑ Fanless design
- ☑ Three COM ports
- ☑ Embedded operating system support only
- ☑
- ☑ LCD display with resistive touch screen
- ☑ Energy-efficient Intel® ATOM™ processors

RoHS

Key Commercial Data

Packing unit	1 pc
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

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Technical data

Dimensions

Outer dimensions: width, height, depth	410 mm x 309 mm x 55 mm
Installation dimensions: width, height, depth	386.6 mm x 285 mm (Installation cutout)

Display

Display type	38.1 cm/15" TFT
Touch technology	analog resistive (polyester)
Brightness	350 cd/m², typical (adjustable)
Backlighting	CCFL
Colors	16.2 million colors

Computer data

Processor	Intel® Atom™ N455 1.66 GHz
Cooling	passive
Operating system	without operating system
RAM	2 GB DDR3 SODIMM
Data storage	without data storage
Network	2x Ethernet (10/100/1000 Mbps), RJ45
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	die-cast aluminum
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
Shock	15g, 11 ms in accordance with IEC 60068-2-27

Device supply

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Technical data

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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	19200103
eCl@ss 4.0	27250315
eCl@ss 4.1	27250315
eCl@ss 5.0	27259205
eCl@ss 5.1	27330200
eCl@ss 6.0	27242300
eCl@ss 7.0	27242301
eCl@ss 9.0	19200103

ETIM

ETIM 3.0	EC001414
ETIM 4.0	EC001414
ETIM 6.0	EC001414
ETIM 7.0	EC001414

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43211508
UNSPSC 19.0	43211508

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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.

Buffer module - PC-PWR-FLTR-2 - 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.

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

Data plug

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

Mounting material

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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.

Operating stylus

Touch pen - TOUCH PEN - 2701379

Touch pen for analog-resistive HMIs, silver coated. Delivery includes self-adhesive pen holder.

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

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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 - 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

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Accessories

Memory - BL PPC 1000 16 GB SSD KIT - 2400073

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

Memory - BL PPC 1000 32 GB SSD KIT - 2400074

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

Memory - BL PPC 1000 320 GB HDD KIT - 2400078

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

Spare parts

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

PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Female connector, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTB 2,5/..-STF, pitch: 5 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: CLASSIC COMBICON, Locking: Screw locking, mounting: Screw flange, type of packaging: packed in cardboard

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