

Panel PC - BL PPC 1000 - 2701401

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15-in. display shown

IP65-rated, fanless industrial panel PC (PPC) with resistive touch screen, energy-efficient Intel® Atom™ processor and 2 GB RAM. Mass storage options include CompactFlash® (CF), HDD and SSD formats.

Product Description

The BL PPC 1000 is a configurable panel PC that utilizes the Intel® Atom™ 1.66 GHz N455 processor chosen for its balance of processing power and energy efficiency. The fanless design and I/O capability make the BL PPC 1000 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 COM port can also be configured for RS-422 or RS-485 protocols. Mass storage options include CompactFlash® cards, HDD, or SSD.

Why buy this product

- IP65 degree of protection (front) IP20 degree of protection (back)
- LCD display with resistive touch screen
- Can be configured according to customer requirements
- Three COM ports
- Fanless design
- Energy-efficient Intel® Atom™ processor
- IP65 degree of protection (front) IP20 degree of protection (back)

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 791045
GTIN	4046356791045
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	84714100
Country of origin	Taiwan

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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	30.7 cm / 12.1" TFT
	38.1 cm/15" TFT
	43,2 cm / 17"-TFT
Screen resolution	800 x 600 Pixel(s) (SVGA)
	1024 x 768 Pixel(s) (XGA)
	1280 x 1024 Pixel(s) (SXGA)
Backlighting	CCFL
Display backlight MTBF	> 50000 h (Dependent on configuration)
Touch technology	Analog resistive (polyester)

Computer data

Processor	Intel® Atom™ N455 1.66 GHz
Cooling	passive
Operating systems	without operating system
	Windows® XP Professional, English
	Windows® XP Professional OEM, German
	Windows® XP Professional OEM, SP3, Multi-language
	Windows® 7 Professional SP1 (32-bit), English
	Windows® 7 Professional SP1 (32-bit), German
	Windows® 7 Ultimate SP1 (32-bit), Multi-language
	Windows® Embedded Standard 2009
	Windows® Embedded Standard 7
RAM	2 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

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Technical data

Computer data

	16 GB SSD (SLC)
	32 GB SSD (SLC)
	320 GB HDD 2,5" SATA
	2,5" SSD (MLC), 80 GB
	2,5" SSD (MLC), 160 GB
Network	2x Ethernet (10/100/1000 Mbps), RJ45
Network chipset	Realtek® 8111D PCI-E
Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	4x USB 2.0
Optical drive	Without drive
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Mounting type	Front installation
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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

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

Approvals

Approvals

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Approvals


Approvals

UL Listed / cUL Listed / EAC / cULus Listed


Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Listed		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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EAC			EAC-Zulassung
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cULus Listed			
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