BL PPC12 1000 - Panel PC

2701336

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IP65-rated, fanless, 12-inch industrial panel PC (PPC) including resistive touch screen with LED backlight. Energy-efficient Intel® Atom™ processor with 2 GB RAM. Ready for installation of mass storage device.

Product description

The Basicline PPC12 1000 is a 12-inch panel PC with a vibrant LED backlit display. The Intel® Atom™ 1.66 GHz N455 processor offers a seamless balance of processing power and energy efficiency. A fanless design and rich I/O capability make the BL PPC 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.

Your advantages

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

Commercial data

Item number	2701336
Packing unit	2 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR12
Product key	DRBABB
GTIN	4046356773102
Weight per piece (including packing)	4,318 g
Weight per piece (excluding packing)	4,318 g
Customs tariff number	84714100
Country of origin	TW

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Technical data

Notes

Utilization restriction

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

Product properties

Product type	Panel PC

Computer data

Processor	Intel® Atom™ N455 1.66 GHz
Operating system	without operating system
RAM	2 GB DDR3 SODIMM
Data storage system	without data storage
Cooling	passive
Slots	without slots
Optical drive	without drive

Display

Display type	30.7 cm / 12.1"-TFT
Screen resolution	800 x 600 Pixel(s) (SVGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	350 cd/m², typical (adjustable)
MTBF	> 50000 h
Color spectrum	16.2 million colors

Electrical properties

Service life of battery	5 years (typical)

Supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 28.8 V DC
Power supply unit	24 V DC ±20 %

Real-time clock

Realtime clock	Yes (battery-backed)

Supply

Power consumption	typ. 12.5 W

Connection data

Connection method	COMBICON
Conductor cross-section, rigid	0.2 mm² ... 2.5 mm²
Conductor cross-section, flexible	0.2 mm² ... 2.5 mm²

Conductor cross-section AWG	24 ... 12

Interfaces

Interfaces	4x USB 2.0
	1x COM (RS-232/422/485)
	2x COM (RS-232)
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Realtek® 8111D PCI-E
Bus system	without bus system

Dimensions

Width	365 mm
Height	282 mm
Depth	55 mm

External dimensions

Width / Height / Depth	365 mm / 282 mm / 55 mm

Installation dimensions

Width / Height / Installation depth	334 mm / 253 mm / (Installation cutout)

Environmental and real-life conditions

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)
Shock	15g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

Mounting

Mounting type	Panel cutout

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%