Chipsmall

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Contact us

Industrial PC - BL BPC 2001 - 2701711

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IP20-rated fanless industrial box PC (BPC) with energy-efficient Intel® quad-core Celeron® N2930 processor with 2 GB RAM.

Shown without optional BL BPC 2000 SATA Expansion tray.

Product Description

The Basicline BPC 2000 is a configurable box PC that can be mounted either directly on a wall or on a DIN rail. The Basicline BPC 2000 utilizes Intel® quad-core Celeron® N2930 processor, chosen for its balance of processing power and energy efficiency. The small footprint, fanless design, and rich I/O capability make the Basicline BPC 2000 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 of the COM ports can also be configured for RS-422 or RS-485 protocols.

Drive tray is only included when originally configured with SSD or HDD mass storage options.

Why buy this product

- ☑ Custom configurable
- ☑ Embedded operating system support
- ☑ DIN rail- and wall-mounting options
- ☑ Three COM ports
- ☑ Fanless design
- ☑

RoHS

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

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Technical data

Note

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

Computer data

Processor	Intel® Celeron® N2930 1.83 GHz/2.16 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® 8111F PCI-E
Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	3x USB 2.0
	1x USB 3.0
Monitor output	2x DisplayPort
Slots	without slots
Optical drive	Without drive
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Mounting type	Wall mounting
Weight	1.6 kg

Ambient conditions

Degree of protection	IP20
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	typical
Power supply unit	24 V DC ±20 %

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Technical data

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 4.0	EC001413
ETIM 5.0	EC001413

Approvals

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

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Approvals

cULus Listed ᶜ(UL)ᵤₛ

Accessories

Accessories

Adapter cable

DP TO VGA ADPTR - 2400173

DisplayPort to VGA video adapter

DP TO DVI ADPTR - 2400174

DisplayPort to DVI-i video adapter

Assembly adapter

Assembly adapters - UTA 107/30 - 2320089

Universal DIN rail adapter

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.

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Accessories

Mounting material

Removable hard drive tray - BL BPC 2000 2.5" SATA BAY - 2403331

The BL BPC 2000 2.5" SATA BAY is for adding a HDD/SSD mass storage drive to the BL BPC 2000

Storage medium

Memory - IPC 4 GB CFAST KIT - 2400168

4 GB CFast® card

Memory - IPC 8 GB CFAST KIT - 2400169

8 GB CFast® card

Memory - IPC 16 GB CFAST KIT - 2400170

16 GB CFast® card

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Accessories

Memory - IPC 32 GB CFAST KIT - 2402978

32 GB CFast® card