

Industrial PC - VL BPC 1001 - 2701290

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IP20-rated fanless Valueline® industrial box PC (BPC) with energy-efficient Intel® Atom™ processor and 2 GB RAM. Ready for installation of CompactFlash® card and operating system.

Product Description

Preconfigured industrial box PC (BPC) in a compact form factor for wall or DIN rail mounting. The VL BPC 1001 includes an energy-efficient Intel® Atom™ processor, combined with 2 GB of RAM and a fanless design. The CompactFlash® slot is open and ready for installation of an operating system.

Your advantages

- ✓ Fanless design for industrial applications
- ✓ Energy-efficient Intel® Atom™ processor
- ✓ Wall or DIN rail mounting
- ✓ Space-saving form factor
- ✓ IP20 degree of protection
- ✓ Ambient operating temperatures from 0 °C to 50 °C

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
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Computer data

Processor	Intel® Atom™ N455 1.66 GHz
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Technical data

Computer data

Cooling	passive
Operating system	without operating system
RAM	2 GB DDR3 SODIMM
Mass storage	without mass storage
Network	2x Ethernet (10/100/1000 Mbps), RJ45
Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	4x USB 2.0
Monitor output	1x VGA
Slots	without slots
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Mounting type	Wall mounting
	DIN rail mounting
Weight	1.4 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 %
Permissible humidity (storage/transport)	5 % ... 95 %
Vibration (operation)	DIN EN 60068-2-6
Shock	15g, 11 ms in accordance with IEC 60068-2-27

Dimensions

Outer dimensions: width, height, depth	155 mm x 145 mm x 49 mm (Wall or DIN (NS 35) rail)
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Device supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 28.8 V DC
Power consumption	12.48 W (typical, at 24 V)
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

Environmental Product Compliance

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Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 15;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27250315
eCl@ss 4.1	27250315
eCl@ss 5.0	27259205
eCl@ss 5.1	27242400
eCl@ss 6.0	19200100
eCl@ss 7.0	19200101
eCl@ss 8.0	19200102
eCl@ss 9.0	19200102

ETIM

ETIM 3.0	EC001414
ETIM 4.0	EC001413
ETIM 5.0	EC001413
ETIM 6.0	EC001413
ETIM 7.0	EC001413

UNSPSC

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

Accessories

Accessories

Assembly adapter

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Accessories

Assembly adapters - UTA 107/30 - 2320089



Universal DIN rail adapter

Data front plate

Data interface - SI-SES-U1A/0,6 - 1404514



Service socket with USB (socket/plug), type A with 0.6 m cable

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

Memory card - VL 4 GB CF - 2913157



CompactFlash® card, pluggable, 4 GB

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Accessories

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

Spare parts

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



PCB connector, nominal current: 12 A, number of positions: 3, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin