

VL3 UPC 1320 - Box PC



1433147

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Compact IP30-rated, fanless industrial box PC (BPC) with efficient, long-term available Intel Atom® x6211E processor with 8 GB LPDDR4 RAM and 60 GB NVMe SSD onboard storage.

Commercial data

Item number	1433147
Packing unit	25 pc
Minimum order quantity	1 pc
Sales key	DR12
Product key	DRBAAA
GTIN	4063151805937
Weight per piece (including packing)	1,060 g
Weight per piece (excluding packing)	700 g
Customs tariff number	84715000
Country of origin	TW

Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Box PC
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Computer data

Processor	Intel® Atom® x6211E, Number of cores: 2 x 1.3 GHz
Trusted Platform Module	dTPM 2.0, Infineon® SLB9670 (Encryption technology not Chinese)
Operating system	without operating system
RAM	8 GB LPDDR4
Data storage system	60 GB, 3D TLC (onboard)
Cooling	passive
Raid system	without RAID system

Display

MTBF	58,969 hours at 60°C
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Electrical properties

Service life of battery	5 years (typical)
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Supply

Supply voltage	24 V DC 20 %
Max. current consumption	2.08 A (24 V DC)
Typical current consumption	0.58 A (24 V DC)

Real-time clock

Realtime clock	Yes (battery-backed)
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Connection data

Power supply

Connection method	Push-in spring connection
Conductor cross-section, rigid	0.2 mm² ... 1.5 mm²
Conductor cross-section, flexible	0.2 mm² ... 1.5 mm²
Conductor cross-section AWG	24 ... 16
Stripping length	10 mm

Interfaces

Interfaces	2x USB 3.1 Gen. 1, Typ A
Monitor output	1x DP++ 1.4
Network	2x Ethernet (10/100/1000 Mbps), RJ45

LAN chipset	Intel® i225-IT
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Dimensions

External dimensions

Width / Height / Depth	100 mm / 50 mm / 100 mm (Housing dimensions)
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Material specifications

Color (Housing)	light gray (RAL 7035)
	black (RAL 9005)
Housing material	Aluminum / steel sheet DC01

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP30
Ambient temperature (operation)	-20 °C ... 60 °C (0...2000 m altitude, with 0.5 m/s air flow)
	-20 °C ... 54 °C (2001 ... 3000 m altitude, with 0.5 m/s air flow)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	3000 m (above sea level)
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Shock	15g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Approvals

Conformity/Approvals

Conformance	CE-compliant
UL, USA / Canada	UL 61010-1, UL 61010-2-201
	Class I, Div. 2, Groups A, B, C, D T4

Mounting

Mounting type	DIN rail mounting
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Approvals

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	IECEE CB Scheme Approval ID: US-43772-M1-UL
	cULus Listed Approval ID: E238705 D16:D1058
	cULus Listed Approval ID: US-UL-2412129-2

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Classifications

ECLASS

ECLASS-13.0	19200102
ECLASS-15.0	19200102

ETIM

ETIM 10.0	EC001413
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UNSPSC

UNSPSC 21.0	43222600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

China RoHS

Environment friendly use period (EFUP)	EFUP-15
	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.)	Lead(CAS: 7439-92-1)
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