

VL3 UPC 1320 - Box PC



1433147

<https://www.phoenixcontact.com/us/products/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

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

Dimensions

External dimensions

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

Housing material	Aluminum / steel sheet DC01
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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

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1433147>

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

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Classifications

ECLASS

ECLASS-13.0	19200102
ECLASS-15.0	19200102

ETIM

ETIM 9.0	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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Accessories

SI-RND-U1A - Data interface

1425185

<https://www.phoenixcontact.com/us/products/1425185>

Service socket with USB A 3.0 (socket/socket), with protective cover



DP TO VGA ADPTR - Adapter

2400173

<https://www.phoenixcontact.com/us/products/2400173>

DisplayPort to VGA video adapter



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DP TO DVI ADPTR - Adapter

2400174

<https://www.phoenixcontact.com/us/products/2400174>

DisplayPort to DVI-i video adapter



VL 2.0M DP CABLE - Connecting cable

2404774

<https://www.phoenixcontact.com/us/products/2404774>

DisplayPort (DP) cable (2 m) for use with industrial computers



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VL3 UPC PORT COVER KIT - Cover

1452726

<https://www.phoenixcontact.com/us/products/1452726>

Cover



VL3 UPC WALL MOUNT KIT - Mounting kit

1452685

<https://www.phoenixcontact.com/us/products/1452685>

Mounting kit



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MC 1,5/ 3-STF-3,5 - PCB connector

1847068

<https://www.phoenixcontact.com/us/products/1847068>

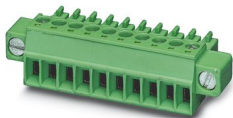


PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/...-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: Screw locking mechanism, mounting method: Screw flange, type of packaging: packed in cardboard

MC 1,5/ 3-STF-3,5 BD:1-3 - PCB connector

1751312

<https://www.phoenixcontact.com/us/products/1751312>



PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/...-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: Screw locking mechanism, mounting method: Screw flange, type of packaging: packed in cardboard

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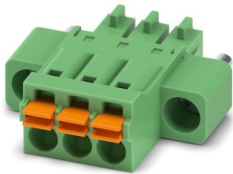
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FMC 1,5/ 3-STF-3,5 - PCB connector

1966101

<https://www.phoenixcontact.com/us/products/1966101>



PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: FMC 1,5/...-STF, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON FMC 1,5 - MCDN 1,5, locking: Screw locking mechanism, mounting method: Screw flange, type of packaging: packed in cardboard

QUINT4-PS/24DC/24DC/5/SC - DC/DC converter

1046800

<https://www.phoenixcontact.com/us/products/1046800>



Primary-switched DC/DC converter, QUINT POWER, DIN rail mounting, SFB Technology (Selective Fuse Breaking), input: 24 V DC, output: 24 V DC / 5 A

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QUINT4-PS/24DC/24DC/5/PT - DC/DC converter

2910119

<https://www.phoenixcontact.com/us/products/2910119>



Primary-switched DC/DC converter, QUINT POWER, DIN rail mounting, SFB Technology (Selective Fuse Breaking), input: 24 V DC, output: 24 V DC / 5 A

FMC 1,5/ 3-STF-3,5 GY7035 - PCB connector

1561300

<https://www.phoenixcontact.com/us/products/1561300>



PCB connector, nominal cross section: 1.5 mm², color: light gray, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of rows: 1, number of positions: 3, product range: FMC 1,5/-STF, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON FMC 1,5 - MCDN 1,5, locking: Screw locking mechanism, mounting method: Screw flange, type of packaging: packed in cardboard

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UTA 107/30 - Mounting adapter

2320089

<https://www.phoenixcontact.com/us/products/2320089>

Universal DIN rail adapter



TP/WP 6000 RTC BATTERY KIT - Battery

1289761

<https://www.phoenixcontact.com/us/products/1289761>

Replacement battery for TP 6000 and WP 6000 panels, and VL3 BPC/PPC/UPC.



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