VL3 UPC 2440 - Box PC

1697948

https://www.phoenixcontact.com/us/products/1697948

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Compact IP30-rated, fanless industrial box PC (BPC) with efficient, long-term available Intel Atom® x6413E processor, 16 GB LPDDR4 RAM and 240 GB NVMe SSD onboard storage.

Commercial data

Item number	1697948
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR12
Product key	DRBAAA
GTIN	4067923262393
Weight per piece (including packing)	1,320 g
Weight per piece (excluding packing)	960 g
Country of origin	TW

Downloaded from Arrow.com.

Technical data

Notes

Note on application	Only for industrial use

Product properties

Computer data

Processor	Intel® Atom® x6413E, Number of cores: 4 x 1.5 GHz
Trusted Platform Module	dTPM 2.0, Infineon® SLB9670 (Encryption technology not Chinese)
Operating system	without operating system
RAM	16 GB LPDDR4
Data storage system	240 GB, 3D TLC (onboard)
Cooling	passive
Raid system	without RAID system

Display

MTBF	58,969 hours at 60°C

Electrical properties

Service life of battery	5 years (typical)

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)

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

Downloaded from Arrow.com.

External dimensions

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

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

Downloaded from Arrow.com.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1697948

IECEE CB Scheme
Approval ID: US-43772-M1-UL

cULus Listed
Approval ID: E238705 D16:D1058

cULus Listed
Approval ID: US-UL-2412129-2

Downloaded from Arrow.com.

Classifications

ECLASS

ECLASS-13.0	19200102
ECLASS-15.0	19200102

ETIM

ETIM 10.0	EC001413

UNSPSC

UNSPSC 21.0	43222600

Downloaded from Arrow.com.

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

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)

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com

Downloaded from Arrow.com.