

BL2 BPC 1541E-8/128-W10 - Box PC



1272687

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IP30-rated fanless industrial box PC (BPC) with energy-efficient Intel® Atom® E3940 processor with 128 GB eMMC and Windows 10 Enterprise 2019 LTSC operating system.

Commercial data

Item number	1272687
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR12
Product key	DRBABA
GTIN	4063151465001
Weight per piece (including packing)	920.8 g
Weight per piece (excluding packing)	746 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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Data management status

Article revision	02
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Computer data

Processor	Intel® Atom™ E3940 1.6 GHz
Operating system	Windows® 10 IoT Enterprise LTSC 2019 (64-bit), Multi-language
RAM	8 GB LPDDR4
Data storage system	M.2 SSD, 128 GB
Cooling	passive

Display

Display type	none
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System properties

User software	without user software
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Electrical properties

Maximum power dissipation for nominal condition	16.8 W
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Supply

Supply voltage (DC)	24 V DC (CE rating)
Supply voltage range	12 V DC ... 30 V DC (Labeled operational voltage is 12 ... 30 V DC)
Max. current consumption	0.7 A (24 V DC)
Typical current consumption	0.53 A (24 V DC)

Connection data

Power supply

Connection method	Screw connection
Conductor cross section, rigid	0.14 mm² ... 1.5 mm²
Conductor cross section, flexible	0.14 mm² ... 1.5 mm²
Conductor cross section AWG	28 ... 16
Stripping length	7 mm

Interfaces

1x DP++

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Interfaces	2x USB 3.0
	2x COM ports
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® I210-AT

Dimensions

External dimensions

Width / Height / Depth	99 mm / 92 mm / 63 mm
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP30
	IP30
Ambient temperature (operation)	-20 °C ... 60 °C (with 0.5 m/s airflow)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 85 % (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
FCC	Title 47 Part 15 Subpart B:2018 Class A

Mounting

Mounting type	DIN rail mounting
	Wall mounting (Accessories required)

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1272687>



EAC
Approval ID: RU C-DE.A*08.B01708



EAC-RoHS
Approval ID: RU*-DE*HB.B.00386/20



IECEE CB Scheme
Approval ID: US-39601-UL



UL Listed
Approval ID: E238705



cUL Listed
Approval ID: E238705

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	19200102
ECLASS-12.0	19200102
ECLASS-13.0	19200102

ETIM

ETIM 9.0	EC001413
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UNSPSC

UNSPSC 21.0	43211500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 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)
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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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BL2 BPC 1500 WALL MOUNT KIT - Mounting kit

1147655

<https://www.phoenixcontact.com/us/products/1147655>

Mounting kit



BL2 BPC 1500 RTC BATTERY - Battery/accumulator

1147739

<https://www.phoenixcontact.com/us/products/1147739>

Replacement battery (BR2030) for BL2 BPC 1500... IPCs



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BL2 BPC 1500 DIN RAIL KIT - Mounting kit

1147464

<https://www.phoenixcontact.com/us/products/1147464>



DIN rail mounting kit for BL2 BPC 15... products

BL2 BPC 1500 64GB M.2 SSD KIT - Memory

1147738

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64 GB M.2 SSD kit for BL2 1500 IPC, heat spreader, bracket, and thermal pads are included

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BL2 BPC 1500 128GB M.2 SSD KIT - Memory

1147737

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128 GB M.2 SSD kit for BL2 1500 IPC, heat spreader, bracket, and thermal pads are included



MC 1,5/ 2-STF-3,5 - PCB connector

1847055

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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: 2, number of rows: 1, number of positions: 2, number of connections: 2, 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: Screw flange, type of packaging: packed in cardboard

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