

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



1272687

<https://www.phoenixcontact.com/us/products/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
Sales key	DR12
Product key	DRBABA
GTIN	4063151465001
Weight per piece (including packing)	920 g
Weight per piece (excluding packing)	746 g
Customs tariff number	84715000
Country of origin	TW

## Technical data

### Product properties

Product type	Box PC
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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
Cooling	passive
RAM	8 GB LPDDR4
Data storage system	M.2 SSD, 128 GB

### 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

#### Screw connection

Connection method	Screw connection
Conductor cross section, rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section, flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	25 ... 14

### Interfaces

Interfaces	1x DP++
	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

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**EAC**

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



**EAC-RoHS**

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

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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

REACH SVHC

Lead 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



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### 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



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## 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



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## 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

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

1147738

<https://www.phoenixcontact.com/us/products/1147738>



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

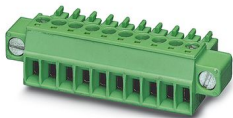


## MC 1,5/ 2-STF-3,5 - PCB connector

1847055

<https://www.phoenixcontact.com/us/products/1847055>

PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, 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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