

# BL2 BPC 1541S-4/64-W10 - Box PC



1272688

<https://www.phoenixcontact.com/us/products/1272688>

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IP30-rated fanless industrial box PC (BPC) with energy-efficient Intel® Atom® E3940 processor with 64 GB eMMC and Windows 10 Enterprise 2019 LTSC operating system.



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1272688       |
| Packing unit                         | 1 pc          |
| Sales key                            | DR12          |
| Product key                          | DRBABA        |
| GTIN                                 | 4063151465100 |
| Weight per piece (including packing) | 740 g         |
| Weight per piece (excluding packing) | 62 g          |
| Customs tariff number                | 84715000      |
| Country of origin                    | TW            |

## Technical data

### Product properties

|              |        |
|--------------|--------|
| Product type | Box PC |
|--------------|--------|

### Computer data

|                     |   |
|---------------------|---|
| Processor           | Intel® Atom™ E3940 1.6 GHz                                    |
| Operating system    | Windows® 10 IoT Enterprise LTSC 2019 (64-bit), Multi-language |
| Cooling             | passive   |
| RAM                 | 4 GB LPDDR4   |
| Data storage system | eMMC internal, 64 GB  |

### Display

|              |      |
|--------------|------|
| Display type | none |
|--------------|------|

### System properties

|               |                       |
|---------------|-----------------------|
| User software | without user software |
|---------------|-----------------------|

### Electrical properties

|   |        |
|---|--------|
| Maximum power dissipation for nominal condition | 16.8 W |
|---|--------|

### 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 mm² ... 2.5 mm² |
| Conductor cross section, flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross section AWG       | 25 ... 14           |

### Interfaces

|             |                                      |
|-------------|--------------------------------------|
| Interfaces  | 1x DP++                              |
|             | 2x USB 3.0                           |
| Network     | 2x Ethernet (10/100/1000 Mbps), RJ45 |
| LAN chipset | Intel® I210-AT                       |

### Dimensions

#### External dimensions

|                        |                       |
|------------------------|-----------------------|
| Width / Height / Depth | 99 mm / 92 mm / 46 mm |
|------------------------|-----------------------|

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## Environmental and real-life conditions

### Ambient conditions

|   |   |
|---|---|
| Degree of protection                    | IP30  |
|   | IP30  |
| Ambient temperature (operation)         | -40 °C ... 70 °C (With 0.5 m/s airflow. NOTE: Operation above 60°C ambient temperature invalidates the UL listing.) |
| 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 |
|----------|----------|

### 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>

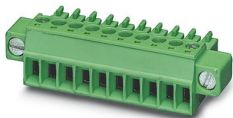


DIN rail mounting kit for BL2 BPC 15... products

## 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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