

# BL2 BPC 1541E-8/0 - Box PC

1272829

<https://www.phoenixcontact.com/nl/products/1272829>



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IP30-rated fanless industrial box PC (BPC) with energy-efficient Intel® Atom® E3940 processor



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1272829       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DRBABA        |
| Product key                          | DRBABA        |
| GTIN                                 | 4063151465032 |
| Weight per piece (including packing) | 934 g         |
| Weight per piece (excluding packing) | 762 g         |
| Customs tariff number                | 84715000      |
| Country of origin                    | TW            |

## Technical data

### Notes

#### Note on application

|                     |                         |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

### Product properties

#### Computer data

|                  |                            |
|------------------|----------------------------|
| Processor        | Intel® Atom™ E3940 1.6 GHz |
| Operating system | without operating system   |
| RAM              | 8 GB LPDDR4                |
| Cooling          | passive                    |

#### 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 $\pm 20\%$ (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 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross-section, flexible | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross-section AWG       | 28 ... 16                                    |
| Stripping length                  | 7 mm                                         |

### 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 |
|------------------------|-----------------------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| Degree of protection                    | 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 |
|-------------|--------------|

## Mounting

|               |                                       |
|---------------|---------------------------------------|
| Mounting type | DIN rail mounting                     |
|               | Panel mounting (Accessories required) |

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/nl/products/1272829>



### IECEE CB Scheme

Approval ID: US-39601-M1-UL



### UL Listed

Approval ID: E238705 D12:D1050



### cUL Listed

Approval ID: E238705 D12:D1050

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19200102 |
| ECLASS-15.0 | 19200102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001413 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43211500 |
|-------------|----------|

## 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)                 |
| SCIP                                | 77d28f4e-7610-4539-9beb-dd30547c1391 |