

# EPC 1522 - Edge device



1185423

<https://www.phoenixcontact.com/us/products/1185423>

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PLCnext Industrial Edge Computer with Intel® Celeron® N3350 processor. This small form factor programmable edge device supports IEC 61131-3, MATLAB Simulink, C/C++, and is perfect for protocol converting, data collection, and cloud computing.

## Your advantages

- Local output of visualizations via DisplayPort
- Seamless support in PLCnext Engineer for OT programming
- Connection to PROFICLOUD
- Connection to PLCnext Store, for installing e.g. Node-RED, InfluxDB or Docker-Portainer
- Numerous protocols supported such as: http, https, FTP, SNTP, SNMP, SMTP, SQL, MySQL, DCP, etc.
- Two independent Ethernet interfaces
- High-level programming languages: IEC61131-3, C/C++, MATLAB Simulink
- Consistent graphical programming interfaces

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1185423       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DR12          |
| Product key                          | DRBABE        |
| GTIN                                 | 4063151225568 |
| Weight per piece (including packing) | 922.9 g       |
| Weight per piece (excluding packing) | 730 g         |
| Customs tariff number                | 84715000      |
| Country of origin                    | TW            |

## Technical data

### Notes

#### Note on application

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

### Product properties

|                |                 |
|----------------|-----------------|
| Product type   | Controller      |
| Product family | PLCnext Control |
| Type           | Stand-alone     |

#### Computer data

|                         |  |
|-------------------------|--|
| Processor               | Intel® Celeron® N3350 1.10 GHz               |
| Trusted Platform Module | fTPM 1.2 (Encryption technology not Chinese) |
| RAM                     | 4 GB LPDDR4                                  |
| Data storage system     | 128 GB M.2-SSD, ~111 GB useable              |
| Cooling                 | passive                                      |

#### Display

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

### System properties

|                        |                                    |
|------------------------|------------------------------------|
| Retentive data storage | Remanent data is not supported     |
| Programmable under     | High-level language<br>IEC 61131-3 |

#### IEC 61131 runtime system

|                     |          |
|---------------------|----------|
| Program memory      | 8 Mbyte  |
| Data storage system | 12 Mbyte |

#### Functionality

|                                 |                              |
|---------------------------------|------------------------------|
| Programming languages supported | Instruction list (IL)        |
|                                 | Symbolic flowchart (SFC)     |
|                                 | Ladder diagram (LD)          |
|                                 | Function block diagram (FBD) |
|                                 | Structured text (ST)         |
|                                 | C++                          |
|                                 | C#                           |
|                                 | Java                         |
|                                 | Python®                      |
|                                 | Simulink®                    |

### Electrical properties

#### Supply

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|                |         |
|----------------|---------|
| Supply voltage | 24 V DC |
|----------------|---------|

## Interfaces

|             |                |
|-------------|----------------|
| Interfaces  | 1x DP++        |
|             | 2x USB 3.0     |
|             | 2x COM ports   |
| LAN chipset | Intel® I210-AT |

## Dimensions

### External dimensions

|                        |                       |
|------------------------|-----------------------|
| Width / Height / Depth | 99 mm / 92 mm / 63 mm |
|------------------------|-----------------------|

## Material specifications

|                 |                            |
|-----------------|----------------------------|
| Color (Housing) | white aluminium (RAL 9006) |
|-----------------|----------------------------|

## Environmental and real-life conditions

### Ambient conditions

|   |  |
|---|--|
| Degree of protection                    | IP30   |
| Ambient temperature (operation)         | -20 °C ... 50 °C                             |
| 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 |
|               | Panel mounting    |

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## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001413 |
|-----------|----------|

### UNSPSC

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

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## 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)                 |
| SCIP                                | ab1edff5-d112-4169-905a-8d78a97a5eb8 |

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