

# EPC 1522 - Edge device



1185423

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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 and WIFI
- 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)	947 g
Weight per piece (excluding packing)	730 g
Customs tariff number	84715000
Country of origin	TW

# EPC 1522 - Edge device

1185423

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



## 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

Data management status	
Article revision	06

Computer data	
Trusted Platform Module	fTPM 1.2 (Encryption technology not Chinese)
RAM	4 GB LPDDR4
Data storage system	128 GB M.2 SSD
Cooling	passive

Display	
Display type	none

### System properties

Retentive data storage	Remanent data is not supported
------------------------	--------------------------------

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®

System requirements	
Engineering tool	PLCnext Engineer
	Eclipse®
	Visual Studio®

# EPC 1522 - Edge device

1185423

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



	MATLAB®/ Simulink®
--	--------------------

## Electrical properties

### Supply

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

## Interfaces

Interfaces	1x DP++
	2x USB 3.0
	2x COM ports
	1x Wireless LAN
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 ... 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
	Wall mounting

# EPC 1522 - Edge device




1185423


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

## Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1185423>




**IECEE CB Scheme**  
Approval ID: US-39601-UL




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



**UL Listed**  
Approval ID: E238705




**cUL Listed**  
Approval ID: E238705




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



**IECEE CB Scheme**  
Approval ID: US-39601-UL




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



**cUL Listed**  
Approval ID: E238705



**UL Listed**  
Approval ID: E238705



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

# EPC 1522 - Edge device



1185423

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

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# EPC 1522 - Edge device

1185423

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



## 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	ab1edff5-d112-4169-905a-8d78a97a5eb8

# EPC 1522 - Edge device

1185423

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



## Accessories

### DP TO VGA ADPTR - Adapter

2400173

<https://www.phoenixcontact.com/us/products/2400173>

DisplayPort to VGA video adapter



---

### DP TO DVI ADPTR - Adapter

2400174

<https://www.phoenixcontact.com/us/products/2400174>

DisplayPort to DVI-i video adapter



## EPC 1522 - Edge device

1185423

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



## 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



---

## BL2 BPC 1500 WALL MOUNT KIT - Mounting kit

1147655

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

Mounting kit





# EPC 1522 - Edge device

1185423

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



## 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

---

## RAD-ISM-2400-ANT-OMNI-2-1-RSMA - Antenna

2701362

<https://www.phoenixcontact.com/us/products/2701362>



Omnidirectional antenna for wall mounting, frequency band: 2.4 GHz, gain: 2 dBi, degree of protection: IP65, connection: RSMA (male), incl. 1.5 m connecting cable, mounting bracket, and mounting material

## EPC 1522 - Edge device

1185423

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



## RAD-ISM-2400-ANT-VAN-3-0-RSMA - Antenna

2701358

<https://www.phoenixcontact.com/us/products/2701358>



Omnidirectional antenna with protection against vandalism for control cabinet mounting, frequency band: 2.4 GHz, gain: 3 dBi, degree of protection: IP55, shockproof: IK08, connection: RSMA (male), incl. 1.5 m connecting cable

---

## PLCNEXT TECHNOLOGY TOOLCHAIN - Programming software

1639782

<https://www.phoenixcontact.com/us/products/1639782>



The PLCnext Technology tool chain is required to develop real-time and non-real-time applications in C++ and C# for PLCnext controllers. The PLCnext CLI command line tool is a core component in the tool chain and can be used to create metadata, C++ header files, and PLCnext Engineer libraries, as well as for the build process. There is also an add-in for Eclipse® and an extension for Microsoft Visual Studio®. This extends the user interfaces of these development environments to support the development process for PLCnext Technology.

# EPC 1522 - Edge device

1185423

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



## 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: 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

---

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)