

EPC 1502 - Edge device



1185416

<https://www.phoenixcontact.com/us/products/1185416>

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	1185416
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR12
Product key	DRBABE
GTIN	4063151225339
Weight per piece (including packing)	780 g
Weight per piece (excluding packing)	585 g
Customs tariff number	84715000
Country of origin	TW

EPC 1502 - Edge device

1185416

<https://www.phoenixcontact.com/us/products/1185416>



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	2 GB LPDDR4
Data storage system	eMMC internal, 32 GB
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 1502 - Edge device



1185416

<https://www.phoenixcontact.com/us/products/1185416>

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

Electrical properties

Supply

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

Interfaces

Interfaces	1x DP++
	2x USB 3.0
	1x Wireless LAN
LAN chipset	Intel® I210-AT

Dimensions

External dimensions

Width / Height / Depth	99 mm / 92 mm / 46 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 1502 - Edge device



1185416

<https://www.phoenixcontact.com/us/products/1185416>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1185416>



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 1502 - Edge device



1185416
<https://www.phoenixcontact.com/us/products/1185416>

Classifications

ECLASS

ECLASS-11.0	19200102
ECLASS-12.0	19200102
ECLASS-13.0	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	d0a3fc16-3b7f-402f-b615-b65772b9a45c

EPC 1502 - Edge device

1185416

<https://www.phoenixcontact.com/us/products/1185416>



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 1502 - Edge device

1185416

<https://www.phoenixcontact.com/us/products/1185416>



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 1502 - Edge device

1185416

<https://www.phoenixcontact.com/us/products/1185416>



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 1502 - Edge device

1185416

<https://www.phoenixcontact.com/us/products/1185416>



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 1502 - Edge device

1185416

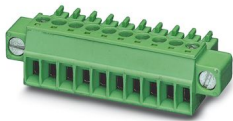
<https://www.phoenixcontact.com/us/products/1185416>



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

1847055

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



PCB connector, nominal cross section: 1.5 mm², 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