

EPC 1502 - Edge device



1185416

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

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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, SNT, 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)	776 g
Weight per piece (excluding packing)	585 g
Customs tariff number	84715000
Country of origin	TW

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Technical data

Product properties

Type	Stand-Alone
Product type	Controller
Product family	PLCnext Control

Computer data

Processor	Intel® Celeron® N3350 1.10/2.4 GHz
Cooling	passive
RAM	2 GB LPDDR4
Data storage system	eMMC internal, 32 GB

Display

Display type	none
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System properties

Retentive data storage	Remanent data is not supported
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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
	MATLAB® Simulink®

Electrical properties

Supply

Supply voltage	24 V DC
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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
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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

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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



IECEE CB Scheme

Approval ID: US-39601-UL



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705

cULus Listed

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC001413
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UNSPSC

UNSPSC 21.0	43211500
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Environmental product compliance

REACH SVHC

Lead 7439-92-1

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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



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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



BL2 BPC 1500 WALL MOUNT KIT - Mounting kit

1147655

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Mounting kit



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BL2 BPC 1500 DIN RAIL KIT - Mounting kit

1147464

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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 mm², 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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