

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, 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	1185416
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR12
Product key	DRBABE
GTIN	4063151225339
Weight per piece (including packing)	750 g
Weight per piece (excluding packing)	585 g
Customs tariff number	84715000
Country of origin	TW

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Technical data

Notes

Note on application

Note on application	Only for industrial use
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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	2 GB LPDDR4
Data storage system	eMMC internal, 32 GB, ~15 GB useable
Cooling	passive

Display

Display type	none
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System properties

Retentive data storage	Remanent data is not supported
Programmable under	High-level language
	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®

System requirements

Engineering tool	PLCnext Engineer
	Eclipse®

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	Visual Studio®
	MATLAB®/ Simulink®

Electrical properties

Supply

Supply voltage	24 V DC
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Interfaces

Interfaces	1x DP++ 2x USB 3.0
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 Panel mounting
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Approvals

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



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
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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	d0a3fc16-3b7f-402f-b615-b65772b9a45c

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