EPC 1522 - Edge device

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
- Constistent 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

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

Programmable under	High-level language
	IEC 61131-3

IEC 61131 runtime system

Program memory	8 Mbyte
Retentive data storage	Remanent data is not supported
Data storage system	12 Mbyte
Number of control tasks	32 (16 per processor core)

Functionality

Programming tool	PLCnext Engineer
	Eclipse®
	Visual Studio®
	MATLAB®/ Simulink®
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

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

Classifications

ECLASS

ECLASS-13.0	19200102
ECLASS-15.0	19200102

ETIM

ETIM 10.0	EC001413

UNSPSC

UNSPSC 21.0	43211500

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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