

straton Runtime

For PLCnext Controller - AXC F 2152

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CP_R2_019 F



straton



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1. straton Runtime PLCnext (Ref: S-T5-RT-PLCNEXT)

This document presents the characteristics of the ready to use Runtime made for the PLCnext Controller, referenced AXC F 2152

The Runtime is delivered as a *.app which can be downloaded on the PLCnext store and then installed on the PLCnext through its WBM (Web Based Monitoring).

The straton runtime for the PLCnext is a soft-PLC, developed exclusively for ARM based platforms and tested on the Controller AXC F 2152.

The installation of the *.app is simple and requires no additional hardware. Installing this component on a PLCnext platform enables powerful capabilities like remote programming and debugging of application according to the IEC61131-3 standard. Several online tools like breakpoints, remote management or soft scope are included. The runtime comes with a wide range of functions as well as several communications protocols, giving the developers huge possibilities.

This Datasheet concerns the first release of the *.app, identified with the ID **60002172000318** once installed on the PLCnext. It has been successfully tested on a PLCnext (FW version 20.0) with the following drivers, on the 16th of February, 2021:

THE STRATON RUNTIME FOR PLCNEXT:

- ▶ A ready to use straton® Runtime (binary) for the PLCnext
- ▶ Full implementation of the standard IEC 61131-3 function blocks
- ▶ Function blocks library for files management
- ▶ Function blocks for TCP/IP communication
- ▶ Binding protocol for distributed application
- ▶ Shared memory management

STANDARD AND ENERGY PROTOCOLS:

- ▶ MODBUS Master/Slave over TCP/IP and UDP
- ▶ MQTT
- ▶ OPC UA Micro Server
- ▶ IEC60870-104 Client/Server
- ▶ IEC61850 MMS Server & GOOSE (Publisher and Subscriber), MMS Client
- ▶ DNP3 Master

IMPORTANT: for this Runtime the maximum number of devices connections for Client/Master (DNP3, IEC60870, IEC61850) is limited to 11.

If you have any request or question, please feel free to contact us!

2. Frequently asked questions

HOW TO RECOVER THE *.APP FOR THE PLC NEXT?

Please go on the PLCnext store or directly ask to your Phoenix Contact local reseller.

HOW TO INSTALL THE *.APP?

Please refer to the help on the PLCnext store.

WHERE IS THE DATA STORED ON THE PLCNEXT?

Once the Runtime has been installed on the target, data will be in the following folder:

/opt/plcnext/appshome/data/60002172000318

ARE THERE MORE PROTOCOLS SUPPORTED BY THE STRATON RUNTIME?

For specific requests, feel free to contact us!