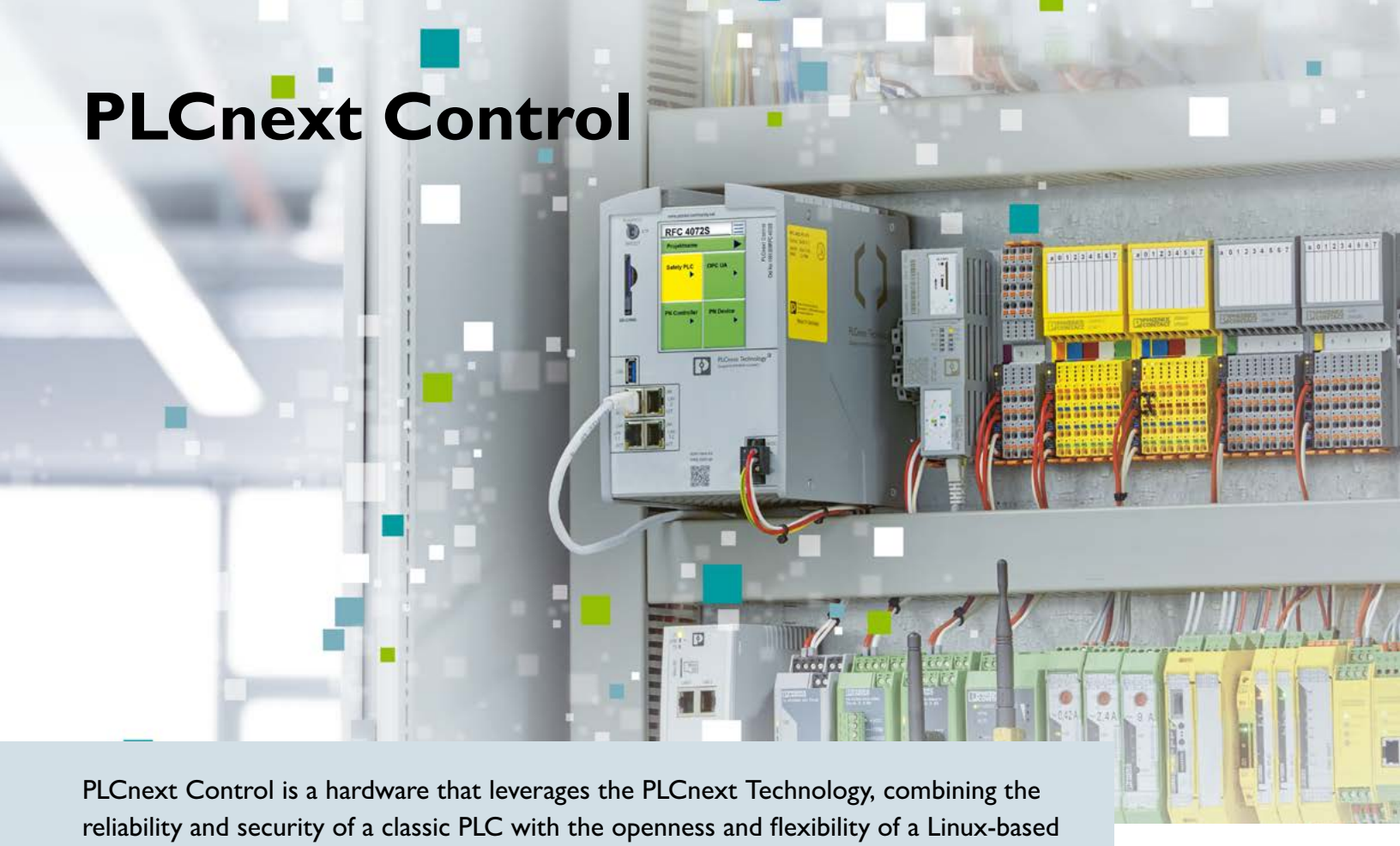
PLCnext Control



PLCnext Control is a hardware that leverages the PLCnext Technology, combining the reliability and security of a classic PLC with the openness and flexibility of a Linux-based control platform.

What makes this product unique?

PLCnext Control allows for advanced creativity and applications, beyond that of a standard PLC:

- PLCnext Control is a controller capable of IEC 61131 operations, in addition to the integration of open source software and the use of common high-level languages
- Two classes of controllers for standard and high-performance applications
- Extensive I/O offers simple connection with the AXC F 2152, making it ideal for a variety of applications
- EtherNet/IP slave capability allows PLCnext Control to be part of an EtherNet/IP network
- Support for common industrial protocols, including PROFINET, Modbus, and more
- Add an additional Ethernet interface directly to the controller with the Ethernet extension module

Benefits of PLCnext Control

PLCnext Control hardware: While there are other controllers on the market that can provide "openness," like a Raspberry Pi, none of them provide the reliability of IEC 61131 together with the hardened industrial build of the Axio family of products. PLCnext Control leverages PLCnext Technology, providing an open ecosystem with the function of standard PLC operations together with the flexibility of Linux-based applications.
Need a standard PLC? PLCnext Control can be programmed with PLCnext Engineer which is an IEC 61131 development environment for PLC operations. This is made simple with a modern interface for PLC programming. However, you can easily extend beyond standard IEC 61131 and incorporate high-level languages for complex computation with easy cloud connectivity to popular services such as AWS, Microsoft Azure, Google IoT, and more.

Need a Linux box? PLCnext Control can be a simple Linux box, but it is also industrial-grade with hardened specifications and approvals required for the most demanding applications. This combined with the extensive collection of I/O and extension modules make PLCnext Control much more than a "standard" Linux box, as its advanced flexibility and openness can withstand the most environmentally demanding applications.

Need a combination of openness and a PLC? PLCnext Control has you covered. Combine all the features of PLCnext Engineer with the complete openness of Linux for the best of both worlds. This provides great freedom in what can be done, and security is not compromised as PLCnext Control is designed to IEC 62499 standards.

Part numbers:
AXC F 2152 - 2404267
RFC 4070 S - 1051328
PLCnext Starter Kit - 1046568

FAQs

1. **What is PLCnext Control?**
   PLCnext Control is the hardware that utilizes PLCnext Technology. Currently available PLCnext Control hardware includes: AXC F 2152 (2404267) and RFC 4072S (1051328)
2. **What I/O connects directly to the AXC F 2152?**
   Axioline F I/O will directly connect to the AXC F 2152
3. **What is an extension module? What "left-hand" modules are available for PLCnext Control?**
   An extension module is a network interface that can be added to the left side of the AXC F 2152. The interfaces currently available are:
   AXC F XT ETH 1TX - 2403115
   AXC F XT IB - 2403018
4. **When using an extension module with the AXC F 2152, what should be considered?**
   To use an extension module, you must also purchase a new Axio bus connector (AXC BS L 2 – 1064312) with an opening to both the left and the right.
5. **The AXC F 2152 has two Ethernet ports, is there an Ethernet switch built in?**
   Yes, the AXC F 2152 has an unmanaged switch built in for the two onboard Ethernet boards.
6. **What is the SD-CARD slot for on the front of the AXC F 2152?**
   The SD-CARD slot on the front of the AXC F 2152 is for expanding storage size using a preconfigured SD FLASH card.
7. **Is an SD-CARD required for the AXC F 2152 to run?**
   No, an SD-CARD is not required for the AXC F 2152 to run.
8. **Which SD-CARD should I use?**
   The following SD-CARDs are available for PLCnext Control:
   SD FLASH 8GB PLCNEXT MEMORY – 1061701
   SD FLASH 2GB PLCNEXT MEMORY – 1043501
9. **What is the purpose of the USB-C port next to the SD-CARD slot?**
   The USB-C is not currently developed to be used for external applications. It will be implemented in the future.

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