

Phoenix Contact PLCnext & Axioline

With CDP Studio you have a single development tool for all your customer specific control systems

PLCnext integration Drag and drop configuration

Direct access to Axioline I/O

Combine with industrial computers

Description

With PLCnext, Phoenix Contact has made a controller that opens up for using modern software development tools like CDP Studio. With the full integration of both the PLCnext and the Axioline I/O system into CDP Studio, these modules are now extremely easy to use.

The CDP Studio IDE is a comprehensive environment for developing control system and comes with a framework including a collection of essential features and readymade functions that you need to build and run control systems.

AXIOLINE I/O

Phoenix Contact provides stackable I/O modules in the Axioline series. This remote I/O series is supported in CDP Studio, and you can read and write I/O data using Modbus.

When creating an automation system in CDP Studio, adding a Phoenix Contact Modbus module to your application is a one-click action. Then you simply drag and drop the I/O modules into your application. There is no coding required, and your remote I/O is now ready to use.



Phoenix Contact AXL F BK fieldbus coupler with I/O

PLCNEXT CONTROLLER

The controller combines the robustness and security of a classic PLC with the openness and flexibility of the world of smart devices. With PLCnext Technology, Phoenix Contact is responding to the challenges of the world of IIoT and simplifying existing controller solutions. Automation projects can now be implemented without the limitations of proprietary systems.

CDP Studio applications can run natively on the PLCnext and has full access to the I/O bus and other necessary I/O modules.



// System integration ...made easy!

Get Started

AXIOLINE BUSCOUPLERS

The Phoenix Contact buscoupler and I/O modules are pre-configured in CDP Studio and are available from the resource menu with drag and drop.

If you require specific configurations, the buscoupler can be initialised either via the web interface or using the Startup+ application from Phoenix Contact.

Protocol: Modbus TCP and Modbus UDP
over Ethernet

Supported fieldbus couplers:
AXL F BK ETH
AXL F BK ETH NET2

PLCNEXT CONTROLLER

CDP Studio applications require that the CDPIO extension is installed on the PLCnext controller to communicate with the attached I/O modules. The CDPIO extension is available in the PLCnext store.

Installation instructions and other information is available in the CDP Studio help pages.

FREE TRIAL

CDP Studio is available for installation from our webpage as a fully functional trial. The development system is available for both Linux and Windows.
<https://cdpstudio.com/getstarted/>

Supported Modules

AXL-F-AI2-AO2-1H
AXL-F-AI4-I-1H
AXL-F-AI4-I-XC-1H
AXL-F-AI4-U-1H
AXL-F-AI4-U-XC-1H
AXL-F-AI8-1F
AXL-F-AI8-XC-1F
AXL-F-AO4-1H
AXL-F-AO4-XC-1H
AXL-F-AO8-1F
AXL-F-AO8-XC-1F
AXL-F-DI16-1-1H
AXL-F-DI16-1-HS-1H
AXL-F-DI16-4-2F
AXL-F-DI16-4-XC-2F
AXL-F-DI16-1-DO16-1-2H
AXL-F-DI16-1-DO8-2-2A-2H
AXL-F-DI32-1-1F
AXL-F-DI32-1-2H
AXL-F-DI32-1-XC-1F
AXL-F-DI64-1-2F
AXL-F-DI8-2-110-220DC-1F
AXL-F-DI8-2-24DC-1F
AXL-F-DI8-2-48-60DC-1F
AXL-F-DI8-1-DO8-1-1H
AXL-F-DI8-1-DO8-1-XC-1H
AXL-F-DI8-3-DO8-3-2H
AXL-F-DO16-1-1H
AXL-F-DO16-3-2F
AXL-F-DO16-3-XC-2F
AXL-F-DO16-FLK-1H
AXL-F-DO32-1-1F
AXL-F-DO32-1-XC-1F
AXL-F-DO4-3-AC-1F
AXL-F-DO64-1-2F
AXL-F-DO8-2-2A-1H