Communication Drivers

Protocol Communication drivers

Connectivity is a key feature of the FactoryStudio platform. The communication drivers of FactoryStudio are divided in 3 groups:

Included Protocols: communication drivers installed by default with the product.

Supported Protocols: drivers not included in the installation, but available upon request.

Premium Protocols: drivers included on the installation, but requiring extension licensing.

New drivers and continuously being created by Tatsoft and partner companies using our Communication Driver Toolkit.

Included Protocols

The following communication protocols are included on the standard product distribution (listed alphabetically):

- AB Rockwell - ControlLogix/CompactLogix devices
- AB Rockwell - MicroLogix devices
- AB Rockwell - PLC5/SLC Devices
- AB Rockwell - Serial Micrologix
- ASCII - Generic ASCII Master Protocol
- Automation Direction, KOYO, using ECOM protocol
- Barcode Reader ASCII protocol - RS232 and TCP/IP
- Beckhoff - TwinCAT PLC/IO devices
- Bosch Rexroth - IndraControl devices using EtherNet/IP Adapter
- Cincinnati Test Systems - Sentinel I28 devices
- CTC Binary 5300 model - TCP/IP
- Desoutter - CVIC II devices
- DNP3.0 L3 Master Standard protocol
- Emerson - WirelessHart devices HartIP protocol
- FactoryStudio - TRemoteClient Protocol Driver Client
- Fatek FBs PLCs - Facon protocol - TCP/IP and RS232
- GEFanuc - Ethernet using SRTP protocol
- Mitsubishi - Series Q
- Mitsubishi Melsec-FX (MelsecQ 1E Frame)
- Modbus - TCP/IP and RS-232, RTU and ASC, modbus master protocol
- Modbus Slave - TCP/IP and RS-232, RTU and ASC, modbus slave protocol
- MQTT
- National Instruments Data Sockets - Labview
- National Instruments Data Sockets Read-Only - Labview
- Omron Master using FINS Commands
- OPC HDA Client - OPC client access to local or remote servers
- OPC UA Client
- OPCXmlDA - OPC Xml/DA Client
- Ping
- Raspberry PI GPIO
- Schneider Electric - UnityPro - PLC's Quantum, Momentum M340 and M580
- Siemens S7 devices
- Siemens/TI505 - Siemens Simatic/TI505 devices
- SNMP
- System Monitor
- Transverter for Raspberry PI
- TTagReceiver Protocol Driver
- TTagSender Protocol Driver

Supported Protocols

There are many protocols that are not released in the product distribution, but are available upon request at no charge. Some of those protocols are already in the release state, others are under development and testing. Contact us if you have a requirement for any of the protocols on this list. Even if your required equipment is not listed, contact us. In many cases, if we have access to protocol documentation and testing units, there is no charge to create a native interface.

Here are our currently supported protocols, in alphabetical order:

- Altus AL-1000, AL2000 and Nexto PLC

- Mitsubishi Series A
- Omron CS/CJ/CP-series CPU Unit or NSJ Controller
- Reliance CP3000
- Smar CD600

Premium protocols

There are a few interfaces that are available but not included on the product distribution, as they have their own installation packages or they are sold as an optional extension. This includes the following protocols, in alphabetical order:

- DNP 3.0 Protocol
- IEC-61850 Master standard protocol
- IEC-870-5-104 Master standard protocol
- IEC-870-5-104 Server standard protocol
- OSIsoft PI System and PI AF, using AFSDK connector
- WITS Level Pason
- WITS Level passive
- WITSML
- Bailey - INFI90 devices

Communication Driver Toolkit

The Tatsoft team has extensive experience in the creation of communication drivers. We have created more than two hundred interfaces over the past twenty years.

As a result of that accumulated experience, FactoryStudio has an open standard interface, the Driver Toolkit, to allow new protocols to be added in an easy and efficient way. The standard built-in infrastructure takes care of everything related to the physical sending and receiving of messages, access to real-time tags, address configuration, and diagnostic and performance tools.

The Driver Toolkit is available to System Integration partners and licensed end users. Contact us if you have a requirement to create your own custom interfaces.

Related Topics:

Getting Started, Overview of Devices and Communication Drivers

User Manual, Module Device Configuration
