



Item description

WAGO-I/O-PRO is a programming and visualization tool for control programs, allowing users to develop PLC applications for the programmable fieldbus controllers of the WAGO I/O System 750.

WAGO-I/O-PRO runs in compliance with the IEC 61131-3 standard, which specifies the requirements for a programming system. The IL, SFC, LD, FBD and ST programming languages are supported. The optimal programming language can be chosen for each application.

With extensive programming functions, the software readily meets the increasing demands on control program development, e.g., reusability and modularization.

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- Efficiently translate between programming languages
- Automatic variable declaration
- Library management

Integrated test and diagnostic functions also streamline and accelerate the steps for implementing PLC projects.

- Program code with online status indicator
- Offline simulation
- Integrated process visualization
- Record and graphically display project variables

WAGO-I/O-PRO also offers the option of programming your existing products from other manufacturers within the CODESYS automation alliance in addition to WAGO's standard programmable CODESYS automation alliance products.

Data

System requirements

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| Supported operating systems | Windows 7 Windows 10 |
| Processor | 1 GHz or higher, with 32 bits (x86) or 64 bits (x64) |
| Memory | Min. 1 GB RAM 2 GB RAM or more (recommended) |
| Hard disk space | min. 290 MB |
| Graphics resolution | 1024 x 786 (min.), 1280 x 1024 or higher (recommended) |
| Other system requirements | Open serial interface |

Delivery

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|-------------------|---|
| Scope of delivery | CD-ROM with software and serial communication cable (750-920) |
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Commercial data

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|-------------------|-----------------------------|
| Product Group | 27 (special components I/O) |
| eCl@ss 10.0 | 27-24-25-01 |
| eCl@ss 9.0 | 27-24-25-01 |
| ETIM 8.0 | EC000809 |
| ETIM 7.0 | EC000809 |
| PU (SPU) | 1 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918072472 |

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Customs tariff number

85234920009

Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Downloads**Documentation****Manual**

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|--|---------------|----------|
| Product Manual WAGO-I/O-PRO, Programming Tool IEC-61131-3 ; Version 2.3 Programming | pdf 3.0 MB | Download |
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| Product Manual WAGO-I/O-PRO, Programming Tool IEC-61131-3 ; Version 2.3 First steps | pdf 75.0 kB | Download |
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| Product Manual WAGO-I/O-PRO, Programming Tool IEC-61131-3 ; Version 2.3 Visualization | pdf 1.9 MB | Download |
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Quick-Start Guide

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|--|-----------------------|----------|
| Programmable fieldbus controller for telecontrol applications IEC 60870 Quick-Start Guide | 2012 年5月10日 1.5 MB | Download |
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Bid Text

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|------------------------|------------------------------|----------|
| 759-333 X81 - Datei | 2019 年2月19日 xml 5.4 kB | Download |
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| 759-333 docx - Datei | 2019 年1月10日 docx 17.0 kB | Download |
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System Description

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|--|-----------------|----------|
| Software – General Product Information | pdf 470.0 kB | Download |
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Compatibility Information

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|---|-----------------|----------|
| Programmable fieldbus controller for telecontrol applications IEC 60870 Interoperability | pdf 193.6 kB | Download |
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Application Notes

Application Note CoDeSys 2.3

| | | | |
|--|--------------|----------|----------|
| Application note Wago EAP Modbus (a2019007) | 2019-12-12 | zip | Download |
| This application note describes the fundamental method of setting up communication between the WAGO I/O-SYSTEM and the room control device from EAP. Furthermore, this application note describes how the functions of the operating buttons or the display can be configured using the visualization interface. | 2019 年12月12日 | 864.6 kB | |

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|---|-------------|--------|----------|
| Using the web visualization with Java™ runtime environment (JRE, JVM) 7 update 51 (7u51) (a500690) | 1.2.4 | zip | Download |
| Oracle announced an update (7u51) for their Java™ runtime environment for the 14th of January 2014 which might have an impact on the use of the WAGO web visualization with Controller, PERSPECTO CP devices and WAGO-IO-IPCs. For more details please have a look into our application note. | 2019 年2月26日 | 5.0 MB | |

| | | | |
|---|-------------|--------|----------|
| ApplicationNote Mobotix | 1.0.0 | zip | Download |
| This application note describes how communication between the WAGO I/O System and a Mobotix IP video camera with PoE+ (Power over Ethernet) (TCP/IP) interface is realized. | 2018 年9月28日 | 4.2 MB | |

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|---|-------------|--------|----------|
| Data Exchange using Network Variables (a762008) | 1.0.4 | zip | Download |
| In the following application example, a ETHERNET Controller PFC200 should communicate with multiple ETHERNET controllers 750-88x using network variables. The PFC200 controller is to be used as an input and output peripheral for controlling the system via web visualization. Using their own network variables, the controllers can communicate value changes to the PFC200 independent of each other. | 2016 年11月9日 | 2.2 MB | |

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|--|------------|---------|----------|
| openVPN with Linux based Devices (a500880) | 1.1.1 | zip | Download |
| This application note shows the necessary steps to establish a secure data connection with Linux-based devices under use of openVPN. | 2016 年8月4日 | 31.9 MB | |

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|---|-------------|----------|----------|
| WagoLibJSON_01.lib | 1.0.0 | zip | Download |
| This library provides functions to parse JSON data into a CoDeSys structure and a function to select a specific value out of JSON data by means of JSON pointer syntax. | 2016 年2月17日 | 250.6 kB | |

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|--|-------------|--------|----------|
| Application note: "ThiesModbusWeatherSensors_01" library with Thies Clima Sensor US and Thies Pyranometer GSM 10.7 | 16.11.2015 | zip | Download |
| This application note describes how to integrate a Thies Clima Sensor US in conjunction with a Pyranometer GSM 10.7 using the "ThiesModbusWeatherSensors_01.lib" library. The application note also describes how to change the address. | 2016 年1月29日 | 1.2 MB | |

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|---|------------|-----|----------|
| Application note: "ThiesModbusWeatherSensors_01" library with Thies Weather Station Compact WSC11 | 16.11.2015 | zip | Download |
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|--|----------------------------|-----------------|----------|
| This application note describes how to integrate a Thies Compact WSC11 Weather Station using the "ThiesModbusWeatherSensors_01.lib" library. The application note also describes how to change the address. | 2016 年1月29日 | 1.1 MB | |
| Anwendungshinweis für die Steuerung eines Icus robotlink Der Anwendungshinweis beschreibt anhand einer Demoapplikation die Steuerung eines Icus robotlink® Roboterarms mit sechs Achsen. Als Steuerung wird ein Wago PFC200 (Art.-Nr. 750-8202) verwendet. | 12.11.2015 2015 年11月12日 | zip 1.3 MB | Download |
| Application Note Library WagoBuilding_01 This application note describes the use of the "WagoBuilding_01.lib" library using sun protection macros. | 03.11.2015 2015 年11月12日 | zip 1.2 MB | Download |
| Modbus communication between WAGO Ethernet couplers and controllers (a300003) Using "WagoLibModbus_IP_01.lib" based on "SysLibSockets.lib". Available on 32Bit Ethernet-Controllern and series 758 IPC's, but not on 16Bit Ethernet-Controllers. The modular concept of the WAGO I/O Series 750 allows to connect up to 255 I/O modules to the head station. However, the variable node design as well as the large number of different I/O modules make it impossible to statically assign I/O data to fixed Modbus addresses. The only exception are the "digital" Modbus services, the Modbus address being identical with the channel number, i.e. you will always find digital input 47 at Modbus address "46". By adding or removing I/O modules, the structure of the process images is changed which also changes the Modbus addresses of the I/O module channels. The application note describes the relation between node design, process images, IEC61131 addresses and the Modbus protocol. | 2.1.0 2015 年9月3日 | zip 2.4 MB | Download |
| CoDeSys 2.3 WebVisu - Dynamic language switching (a500730) A guide to create dynamic language switching in the CoDeSys 2.3 WebVisu. | 1.0.0 2014 年5月21日 | zip 3.2 MB | Download |
| Using library WagoLibProcess_01 (a500410) Using WagoLibProcess_01.lib | 1.0.0 2013 年9月18日 | zip 1.1 MB | Download |
| Wago Remote IO with Fanuc Robot using Ethernet/IP Protocol (a500390) This application note is intended to serve as a guide for setting up WAGO Remote IO (16 Digital Input & 16 Digital Outputs) with a Fanuc Robot using Ethernet IP Protocol. While this guide uses a 750-880, a 750-352 (or other EtherNet/IP capable device) could also be setup in a similar manner. | 1.0.0 2012 年9月27日 | zip 775.1 kB | Download |
| Using library WagoLibMSSQL_03 for interface Microsoft SQL Server 200x (a302510) Library "WagoLibMSSQL_03.lib" provide function blocks for accessing Microsoft databases for executing SQL-Statements. The "WagoLibMSSQL_03.lib" library will work with any WAGO Ethernet controller and is based on the SysLibSockets.lib system library. It is expected that the person using this library has a solid base knowledge of CoDeSys and the IEC 61131-3 standard. The configuration of Microsoft SQL Server takes a little time, for this application we used 'Microsoft SQL | 1.0.0 2012 年8月2日 | zip 1.0 MB | Download |

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Server Management Studio Express' with SQL Server Configuration Manager – both freely available from the Microsoft website. This application note covers those steps as well as some of the more common errors that could occur from an incorrect set-up as well as an example of how to use the library in an application.

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|--|-----------------------|---------------|----------|
| Using WagoLibMySQL_03 to communicate with MySQL databases (a302000) This application note describes how to communicate with a MySQL database directly, based on native MySQL protocol to transmit SQL-Statements. SQL is the acronym for Structured-Query-Language(SQL) and defines standard command set to access or manipulate data like SELECT, INSERT, UPDATE, DELETE inside a database. Also defined are SQL commands to modify the structure of a database self, like CREATE, DROP, ALTER, and more. The focus of this application note points to the transfer of data between a WAGO Ethernet-Controller and a MySQL database by SQL statements. | 1.0.2 2011 年11月14日 | zip 1.2 MB | Download |
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|---|----------------------|---------------|----------|
| Normierung von analogen Prozesswerten unter CoDeSys (a114400) Beispiel für die Normierung analoger Prozesswerte unter CoDeSys. | 1.0.0 2011 年5月31日 | zip 6.3 kB | Download |
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|--|----------------------|-----------------|----------|
| Using the Library "Serial_Interface_01.lib" (a110901) This application example demonstrates the application of the functional module "SERIAL_INTERFACE" from the library "Serial_Interface_01.lib". It is applicable for all controllers, except Modbus: 750-812, 750-814, 750-815 and 750-816. In this example, two serial interfaces are connected with each other on a node. The controller detects and assigns the port numbers of the serial port modules, beginning from the left with COM2. (The controller service interface is always COM1.) If using serial communications module 750-65x/003-000, the communication parameters are configurable by the user. The following parameters of this module are configurable: · cbCOM_BAUDRATE · cbsCOM_BYTESIZE · csCOM_STOPBITS · cpCOM_PARITY · cfCOM_FLOW_CONTROL When using any other serial communications module (750-65x/000-000), the module will have a factory preset configuration that cannot be defined by the user. When using these modules, the parameters specified above are not to be used, or should only be used with the default values. | 1.0.3 2004 年1月20日 | zip 422.1 kB | Download |
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Application Note e!COCKPIT

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|--|---------------------|----------------|----------|
| openVPN with Linux based Devices (a500880) This application note shows the necessary steps to establish a secure data connection with Linux-based devices under use of openVPN. | 1.1.1 2016 年8月4日 | zip 31.9 MB | Download |
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Application note SIEMENS

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|---|-----------------------|---------------|----------|
| S7 Modbus Baustein für Kommunikation mit PN CPU 1200 and 1500 (a101406) Bausteine für die Modbus TCP/UDP Kommunikation (Funktionscode 23) mit der internen Ethernet Schnittstelle einer Siemens Simatic S7 PN CPU. | 2.2.0 2021 年11月10日 | zip 7.5 MB | Download |
| S7 Modbus Baustein für Kommunikation mit PN CPU 300 und 400 (a101405) | 1.0.0 2016 年10月28日 | zip 3.0 MB | Download |

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Bausteine für die Modbus TCP/UDP Kommunikation (Funktionscode 23) mit der internen Ethernet Schnittstelle einer Siemens Simatic S7 PN CPU.

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|---|--------------|----------|----------|
| WagoLibDB | V 1.0.1 | zip | Download |
| Diese Bibliothek stellt einen Funktionsbaustein zur Verfügung, mit dem Daten eines DBs einer Siemens Steuerung ausgetauscht werden können. Es können sowohl Daten gelesen als auch Daten geschrieben werden. In der Siemens Steuerung ist kein spezieller Baustein zu programmieren, es ist lediglich sicherzustellen, dass die CPU genügend S7 protokollfähige Verbindungen bereitstellt. Diese Anzahl kann ggf. in den CPU Einstellungen mit dem Simatic Manager erhöht werden. | 2016 年3月22 日 | 327.7 kB | |
| Normierung von analogen Prozesswerten unter Simatic S7 (a114401) | 1.0.0 | zip | Download |
| Beispiel für die Normierung analoger Prozesswerte unter Simatic S7. | 2011 年5月31 日 | 19.7 kB | |

Libraries

| | | | |
|---|--------------|----------|----------|
| Libraries for Building Automation CODESYS 2.3 | 2023-01-16 | zip | Download |
| This zip file contains WAGO I / O PRO libraries for building automation. Blocks are available for the following applications: - DALI - DALI sensors - DALI Color Control - DALI Emergency Lighting - Enocean - SMI - HVAC / HVAC functions - General building functions such as blinds, dimmers, impulse switches - Scheduler - KNX function blocks - BACnet - WINSTA blind box - DMX - Elsner weather station - M-Bus, MBus - MP-Bus, MPBus - Romutec handset - Thermokon Thanos room thermostat - Thermokon WRF04 room thermostat - Thermokon WRF06 room thermostat - Thermokon WRF07 room thermostat - Thermokon WRF08 room thermostat - 3-phase Power measuring module 750-493 - LON - Grundfos pumps with GENIbus interface - EAP Modbus® room control units - Conversion of color formats - "robutecheasy" modules - Schüco TipTronic group control units - Weather station Thies | 2023 年1月16 日 | 44.8 MB | |
| Send Mails via TLS | 2.6 | zip | Download |
| This library provides secure Mail client function blocks utilizing encrypted SSL/TLS connection for transfer. Function block "SMAIL_Client", sends mails with attachment, where attachment assembled in RAM as "ARRAY OF BYTE". Function block "SMAIL_Client2", sends mails with attachment, where attachment taken from filesystem. | 2020 年11月6 日 | 552.0 kB | |
| Secure communication with remote webserver | 1.23 | zip | Download |
| This library provides function blocks to exchange data with a remote webserver via HTTPS protocol. Function blocks are available for methods POST and GET. | 2020 年10月6 日 | 119.1 kB | |
| Calculate a 128bit MD5 hash of a message of variable length | 1.0.12 | zip | Download |
| This library provide function block "MD5" to calculate a 128bit hash of a message of variable length conform to RFC1321. MD5 is one in a series of message digest | 2020 年6月25 日 | 67.4 kB | |

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algorithms designed by Professor Ronald Rivest of MIT (Rivest, 1994). When analytic work indicated that MD5's predecessor MD4 was likely to be insecure, MD5 was designed in 1991 to be a secure replacement. (Weaknesses were indeed later found in MD4 by Hans Dobbertin.)

| | | | |
|--|-----------------------|-----------------|----------|
| PowerMeasurement_495_040_010.lib Library and function block description for Power Measurement Module 750-495/040-010 | 1.1.3 2020 年6月15 日 | zip 858.7 kB | Download |
| Library WagoLibCloud_02.lib Die Bibliothek dient zur Kommunikation des WAGO Controller PFC100 und PFC200 mit Cloud Diensten wie Microsoft Azure (WAGO Cloud), Amazon AWS and IBM Bluemix. Daten können zur Cloud gesendet und Kommandos von der Cloud empfangen werden. | 2.2.4 2020 年1月21 日 | zip 57.6 kB | Download |
| Unterstützung von seriellen Schnittstellen über das Prozeßabbild Die Bibliothek „Serial_Interface_ProcessImage_01.lib“ stellt dem Anwender den Funktionsbaustein „SERIAL_INTERFACE“ speziell zur Verwendung auf dem WAGO-IPC und den Perspecto Bediengeräten zur Verfügung. Der Baustein erlaubt die transparente Datenübertragung beliebiger Frames ohne eine zusätzliche Protokollschicht einzuführen unter Verwendung des Prozeßabbildes. Dieser Baustein ist für über Feldbusse extern angebundene serielle Schnittstellen der Baureihe 750 gedacht und darf nicht für direkt gekoppelte oder Onboardschnittstellen verwendet werden. Der Zugriff über das Prozeßabbild unterstützt keine Parametrierung aus dem SPS-Programm der seriellen Schnittstellen. Diese Schnittstellen müssen also mit WAGO-IO-CHECK vor der Verwendung parametrierung werden. Achtung: Diese Bibliothek kann nicht gemeinsam mit den Bibliotheken Serial_Interface_01.lib, Sercomm.lib oder IPC_Serial_Interface_01.lib in einem Projekt benutzt werden. | 1.0.1 2019 年12月2 日 | zip 501.9 kB | Download |
| Oppermann_OPP_Modbus_01.lib The Oppermann_OPP_Modbus_01.lib library enables the connection of fire protection devices as well as sensors of OPP-SENS and OPP-ROOM series from Oppermann Regelgeräte via Modbus RTU. | 1.2 2019 年10月17 日 | zip 1.3 MB | Download |
| Communication based on mailbox2.0 mechanism | 1.0.1 2019 年2月4 日 | zip 157.1 kB | Download |
| Modbus_TCP-Master based on "SysLibSockets.lib" A modbus master for the Wago IPC and 750-841 based on the SysLibSocket library. | 1.16 2019 年1月30 日 | zip 100.2 kB | Download |
| Sending SMS via Provider www.SMS77.de This library provides function blocks for sending SMS messages via provider "sms77". Registration at "www.sms77.de" is mandatory. HTTP connection (SMS77_Client) and HTTPS connection supported (SMS77_HttpsClient). | 2.7 2019 年1月18 日 | zip 177.7 kB | Download |
| Basic function blocks for ethernet communication | 1.4.0 | zip | Download |

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| WagoLibEthernet_01.lib:Basic function blocks for ethernet communication like UDP /TCP and Client/Server based on SysLibSocket. | 2018 年3月15 日 | 201.5 kB | |
| Sending and receiving SMS via GSM-Modem This library contains a module for SMS sending and receiving via a GSM modem. The PDU mode of the modem is supported. The library also contains a module for parsing a string. By combining these two modules, a simple RPC interface can be realized in a programmable controller. | 1.0.1 2018 年3月12 日 | zip 903.0 kB | Download |
| WagoLibWakeOnLan Remote wake up of network devices. | 1.2.0 2018 年3月6 日 | zip 489.0 kB | Download |
| Utilize HART-Modules 750-482 and 750-484 The library "WagoLibHART_05.lib" offers a set of function blocks to execute HART-commands (Revision 5) in a PLC program. The principal item of this library is program HART_INFO, it identifies connected HART modules like 750-482 and coordinates the Kbus access. In addition you find with HART_FDT program that act as counterpart to WAGO-ModbusTCP-HART-DTM, who enable configuration of HART devices with every FDT-Frameapplication like "WAGOframe". This library utilizes "WagoLibKBUS.lib" for MailBox-communication. | 1.7 2018 年1月19 日 | zip 21.9 MB | Download |
| Treiber zur Siemens-Prozedur 3964R and RK512 Diese Bibliothek enthält einen Treiber zur Siemens-Prozedur 3964R sowie einen darauf aufsetzenden Baustein zur aktiven (SEND / FETCH) Behandlung der RK512 und einen Baustein zur passiven (RECEIVE) Behandlung der RK512. Es werden keine Folgetelegramme unterstützt. | 2.7 2017 年12月6 日 | zip 614.6 kB | Download |
| Modbus_RTU Master The library "Modb_I05.lib" contains the function blocks "MODBUS_EXTENDED_MASTER" and "MODBUS_EXTENDED_SLAVE". The function blocks "MODBUSMASTER_RTU", "MODBUSMASTER_RTU_EN", and "MODBUS_EXTENDED_MASTER_RTU" are obsolete and for old projects only. New projects should prefer the master function block "MODBUS_EXTENDED_MASTER". This function block contains all functionality of the obsolet FB's incl. Broadcast for write services and support of FC 23. This new FB allow you to use Modbus ASCII or Modbus RTU by an input parameter. Using this function block, the programmable controllers can act as a gateway to a Modbus (RTU / ASCII) network. Attention ! The function block "MODBUSSLAVE_RTU", should not use in actual projects because this function block doesn't work for all WAGO-components. Instead of this function block please use the new function block "MODBUS_EXTENDED_SLAVE " that you can find at this library too. This block provides many Modbus (RTU / ASCII) services incl. Broadcast. | 2.0 2017 年11月6 日 | zip 432.1 kB | Download |
| Accessing OpenSSL crypto API This library provide a comfortable layer for using functionality of "WagoLibCrypt.lib". Where "WagoLibCrypt.lib" provide access to native openssl 'EVP' crypto api. Supported platforms: 750-820x with firmware = 02.04.22(06) Subject to changes. Please also observe the further product documentation! | 1.3.2 2016 年11月8 日 | zip 135.2 kB | Download |



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| WagoLibSmartGrid_01.lib Die Bibliothek WagoLibSmartGrid_01.lib ermöglicht die Kommunikation des WAGO-I/O-Systems zu verschiedenen Kurz- und Erdschlussanzeigern über Modbus RTU. | 1.0.1 2016 年11月4日 | zip 1.5 MB | Download |
| Update ip addresses on www.dyndns.com via HTTP-API This library provides the function block "DynDNS_Update" to update ip addresses on www.dyndns.com via HTTP-API.. | 1.0.0 2016 年10月4日 | zip 56.2 kB | Download |
| Connect ToPass-Modular to WAGO TO-PASS-Portal This library provide function blocks to communicate with WAGO's TO-PASS web portal "www.to-pass.com" direct or via TO-PASS-Gateway-Server or any other TO-PASS web portal. A TO-PASS web portal consists of a webserver, PHP engine, database and a bunch of PHP scripts to log data. Also provided are different PHP scripts as representation layer for historical data and trending. | 3.2 2016 年8月22日 | zip 210.3 kB | Download |
| Serielle Bibliothek für den Modbuskonfigurator Bibliothek zur Verwendung mit dem Modbuskonfigurator. Diese Bibliothek enthält Strukturen und Bausteine für den Modbuskonfigurator und serielle Netzwerke (Modbus RTU / ASCII). | 1.2 2016 年6月9日 | zip 20.9 kB | Download |
| Communicate with remote webserver This library provides function blocks to exchange data with a remote webserver via HTTP protocol. Function blocks available for method POST and GET. Basic Authentication and Digest Access Authentication are supported. | 3.3 2016 年5月24日 | zip 156.3 kB | Download |
| Connecting to a MySQL database The library "WagoLibMySql_03.lib" provide function blocks to communicate with MySQL-Database-Servers version 4.1 and above. The principal item of this library are function blocks "Execute" and "Query". Function block "MySql_Execute" is designed for all SQL-Statements who do not respond with a resultset, such as INSERT, UPDATE, DELETE, CREATE, ALTER, DROP and so, who just return OK or ERROR. Function block "MySql_Query" is designed for SQL-SELECT-Statements who respond with a resultset. This library make extensive use of global variables to allow optimize memory usage depending customer requirements. | 3.12 2016 年3月2日 | zip 181.2 kB | Download |
| SQL-Client for Microsoft SQL Server 200x Library "WagoLibMSSQL_03.lib" provides function blocks for accessing Microsoft databases. | 1.2.17 2016 年3月2日 | zip 569.5 kB | Download |
| Communicate with remote webserver This library provide function blocks to exchange data with a remote webserver via HTTP protocol. Function blocks available for method POST and GET. | 2.15 2016 年2月16日 | zip 131.2 kB | Download |
| Anbindung eines Ethernet Datenlogger der Fa. Avisaro | 1.0.0 2016 年1月22日 | zip 346.7 kB | Download |

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Funktionsbausteine zur Dateiverwaltung auf der Ethernetbox Avisaro 2.0. Die Bausteine ermöglichen das Auslesen und Erzeugen von Verzeichnissen und Dateien auf der SD-Card-Box der Fa. Avisaro. Diese Bibliothek setzt auf der Ethernet.lib auf.

| | | | |
|--|------------------|----------|----------|
| Reception of NMEA-0183 data sentences | 1.0.0 | zip | Download |
| The "NMEA_03.lib" library contains function modules for the reception of data sets that correspond to the NMEA-0183 or IEC 61162-1 protocol. Furthermore, the library contains a module for filtering out particular messages. | 2015 年 12 月 10 日 | 183.0 kB | |

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|---|------------------|----------|----------|
| Sending E-Mails based on "SysLibSockets.lib" | 3.1 | zip | Download |
| The library "WagoLibMail_02.lib" provides with "MAIL_ESMTP_Client" a one for all function block for sending mails by an Ethernet-Controller. The library is applicable for the 750-841 as well as for the 758-870. The function block "MAIL_ESMTP_Client" could work as a simple SMTP-Client as well as the function block supports the authentication methods "Pop3BeforeSmtp" and "SMTP-Authentication" who described in RFC2554. Supported authentication types are CRAM-MD5, LOGIN and PLAIN. | 2015 年 11 月 25 日 | 548.0 kB | |

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|---|-----------------|---------|----------|
| Ethernet Bibliothek für den Modbuskonfigurator | 1.2 | zip | Download |
| Bibliothek zur Verwendung mit dem Modbuskonfigurator. Diese Bibliothek enthält Strukturen und Bausteine für den Modbuskonfigurator und Ethernet Netzwerke auf 32 Bit Controllern. | 2015 年 3 月 31 日 | 33.1 kB | |

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|---|-----------------|---------|----------|
| Ethernet Bibliothek für den Modbuskonfigurator aus 16 Bit Systemen | 1.2 | zip | Download |
| Bibliothek zur Verwendung mit dem Modbuskonfigurator. Diese Bibliothek enthält Strukturen und Bausteine für den Modbuskonfigurator und Ethernet Netzwerke auf 16 Bit Controllern. | 2015 年 3 月 31 日 | 34.6 kB | |

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| Allgemeine Bibliothek für den CoDeSys-Modbuskonfigurator | 1.0.1 | zip | Download |
| Bibliothek zur Verwendung mit dem Modbuskonfigurator. Diese Bibliothek enthält allgemeine Strukturen für den Modbuskonfigurator. | 2015 年 3 月 31 日 | 5.5 kB | |

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| System services based on MBX 2.0 mechanism | 1.0.0 | zip | Download |
| Wird von höherwertigen Bibliotheken genutzt. Nicht unmittelbar für den Endkunden notwendig. | 2013 年 10 月 11 日 | 196.4 kB | |

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|---|-----------------|----------|----------|
| Handling for serial modules 750-65x | 1.0.2 | zip | Download |
| The library "Serial_Interface_01.lib" contains the function block SERIAL_INTERFACE. This function block allows sending and receiving of data using a WAGO serial communications module, 750-65x. The function block supports transparent data communication. The library is applicable for all controllers, except 750-812/814/815/816. | 2013 年 1 月 25 日 | 145.2 kB | |

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|---|-----------------|----------|----------|
| Funktionalität der "SerComm.lib" für die seriellen Onboard-Schnittstellen | 2.0 | zip | Download |
| Diese Bibliothek ersetzt auf den Bediengeräten der Serie 762 die Funktionalität der SerComm.lib für die seriellen Onboard-Schnittstellen. | 2013 年 1 月 24 日 | 147.4 kB | |

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 We are always happy to take your call at +49 (571) 887-44222.



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|---|------------------------|-----------------|----------|
| Update remote DNS server conform to RFC2136 Library provide functionblock to update resource records(RR) on a remote DNS server conform to RFC2136. This function block send unsecure dynamic update requests to DNS server conform to RFC2136, to update forward and reverse lookup table via UDP. Tested with: - kubuntu 8.04/ bind 9.3 *1) - Windows 2003 Server SE R2/ DNS service *1) - FritzBox 7390 *2) Remark: *1) Unsecure updates must be enabled on DNS-Server(disabled by default). *2) Use fully qualified domain name such as "ping my841.fritz.box" | 1.6 2012 年10月17 日 | zip 80.6 kB | Download |
| Zusätzliche CoDeSys-Visu-Komponenten Die Bibliothek "WAGO_Grafik_01.lib" stellt diverse Templates, wie z.B. Dropdown-Liste oder Radio-Button, zur Unterstützung von Visualisierungen zur Verfügung. | 1.1 2012 年7月6 日 | zip 117.4 kB | Download |
| ASCIIBYTE_TO_STRING and STRING_TO_ASCII BYTE in a separate library The functions ASCIIBYTE_TO_STRING and STRING_TO_ASCII BYTE are separated since some 3rd party plc system do not provide these functions, e.g. Bosch or Elau. | 1.0.0 2012 年2月1 日 | zip 283.3 kB | Download |
| CRC16 für Modbus CRC 16 Berechnung nach Modbus RTU Spezifikation. | 1.0.0 2011 年11月30 日 | zip 39.1 kB | Download |
| SMS-Versand über Festnetzmodem Diese Bibliothek enthält Bausteine zum SMS-Versand über ein Festnetzmodem. Es werden die Protokolle TAP und UCP unterstützt. | 1.0.2 2011 年7月27 日 | zip 309.7 kB | Download |
| Encoding and decoding data conform to base64 standard This library provide functions for encoding and decoding data conform to base64 standard. Base64 is a group of similar encoding schemes that represent binary data in an ASCII string format by translating it into a radix-64 representation. The Base64 term originates from a specific MIME content transfer encoding. Base64 encoding schemes are commonly used when there is a need to encode binary data that needs be stored and transferred over media that are designed to deal with textual data. This is to ensure that the data remains intact without modification during transport. Base64 is used commonly in a number of applications including email via MIME, and storing complex data in XML. | 1.0.0 2011 年7月27 日 | zip 50.4 kB | Download |
| Anbindung von RFID-Lesegeräten Fa. Pepperl & Fuchs Die Bibliothek "WagoLib_IPT_FP_01.lib" beinhaltet Funktionsbausteine zur Ansteuerung der RFID-Lesegeräte der Fa. Pepperl + Fuchs. | 1.0.0 2011 年7月27 日 | zip 493.6 kB | Download |
| Kommunikation mit Messumformern der Fa. ABB Die Bibliothek "ABB_ASCII2w.lib" beinhaltet den Funktionsbaustein "ABB_ASCII2w" der die serielle Kommunikation mit Messumformern der Fa. ABB unterstützt und vereinfacht. Es werden die Funktionen des ABB-Protokolls ASCII2w unterstützt die | 1.0.0 2011 年7月27 日 | zip 132.4 kB | Download |

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mit 2 Kennbuchstaben und einer Geräteadresse im Bereich 0..99 arbeiten. Die Baudrate und die Flusskontrolle können frei parametrierbar werden. Die übrigen Parameter sind fest auf 7 Datenbit, gerade Parität und 1 Stoppbit eingestellt.

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|---|----------------------------------|----------------------------|-----------------|
| <p>Sending E-Mails based on "SysLibSockets.lib"</p> <p>Sending mails with the 750-841 and 758-870 (IPC) using SysLibSocket library.</p> | <p>1.0.0</p> <p>2011 年7月27 日</p> | <p>zip</p> <p>95.7 kB</p> | <p>Download</p> |
| <p>Anbindung SEW</p> | <p>1.0.0</p> <p>2011 年7月27 日</p> | <p>zip</p> <p>17.0 kB</p> | <p>Download</p> |
| <p>Unterstützung von einfachen ASCII-Protokollen bei Scannern</p> <p>Die Library "Scanner_01.lib" stellt dem Anwender Funktionsbausteine zur Anbindung von Scannern mit einfachem ASCII-Protokoll und definierten Start- und Endezeichen bereit und ermöglicht so die einfache Einbindung vieler Scanner (z.B. Barcodeleser) an das WAGO-I/O-SYSTEM.</p> | <p>1.0.0</p> <p>2011 年7月27 日</p> | <p>zip</p> <p>71.3 kB</p> | <p>Download</p> |
| <p>Anbindung Gasanalysegerät der Fa. Union Apparatebau</p> <p>Die Bibliothek "Inca_01.lib" beinhaltet den Funktionsbaustein "INCA_01" der die serielle Kommunikation mit einem Biogas-Analysegerät der Fa. Union Messgeräte unterstützt und vereinfacht. Es wird das Auslesen der Messwerte und Integrale sowie das Löschen der Integrale und das Anstossen einer Messung unterstützt.</p> | <p>1.0.0</p> <p>2011 年7月27 日</p> | <p>zip</p> <p>108.8 kB</p> | <p>Download</p> |
| <p>Parametrierung Bluetoothklemme 750-644</p> <p>Die Bibliothek "WAGO_Bluetooth_03.lib" beinhaltet Funktionsbausteine zur Konfiguration, Parametrierung und Diagnose der Bluetoothklemme. Es werden die im Anhang des Handbuches zu der Bluetoothklemme 750-644 beschriebenen Mailbox-Befehle unterstützt. Nutzen Sie zur erweiterten Dokumentation das Handbuch zum Bluetoothmodul.</p> | <p>1.0.1</p> <p>2011 年7月27 日</p> | <p>zip</p> <p>985.0 kB</p> | <p>Download</p> |
| <p>Anbindung von RFID-Lesegeräten</p> <p>Die Bibliothek "Balluff_Bis_01.lib" stellt dem Anwender die Funktionsbausteine "BIS_MODUL" sowie "BIS_VISU" zur Verfügung. Der Baustein "BIS_MODUL", stellt die grundlegenden Dienste eines RFID-Sensors der Fa. Balluff zur Verfügung. Der Modus "CT-Daten sofort senden" des Readers wird z.Zt. nicht unterstützt. Der Baustein "BIS_VISU", setzt auf dem Baustein "BIS_MODUL" auf und unterstützt die in der Bibliothek vorhandenen einfachen Visualisierungstemplates zum Testen der Funktionalität.</p> | <p>1.0.0</p> <p>2011 年7月27 日</p> | <p>zip</p> <p>194.6 kB</p> | <p>Download</p> |
| <p>Communicate with remote webserver</p> <p>This library provide function blocks to exchange data with a remote webserver via HTTP protocol. Functionblocks available for method POST and GET. In addition you find with "HTTP_GET_RS232" a specialized function block to operate with "WAGO GPRS Modem 761-510" and "WAGO TO-PASS-Gateway".</p> | <p>1.0.0</p> <p>2011 年7月27 日</p> | <p>zip</p> <p>123.7 kB</p> | <p>Download</p> |
| <p>Calculate SHA1 hash of a message of variable length</p> | <p>1.0.0</p> <p>2011 年7月27 日</p> | <p>zip</p> <p>72.0 kB</p> | <p>Download</p> |

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This library provide the Secure Hashing Standard SHA1 as defined in FIPS PUB 180-1 published April 17, 1995. SHA-1 is the most widely used of the existing SHA hash functions, and is employed in several widely-used security applications and protocols.

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| Ansteuerung ebm-papst Ventilatoren Bausteine zur Ansteuerung von ebm-papst Ventilatoren mit ebmBus. | 1.0.1 2011 年7月27 日 | zip 156.2 kB | Download |
| TerminalSlave_04.lib - Anbindung von Displays Die Bibliothek "TerminalSlave_04.lib" vereinfacht die Kommunikation mit einem externen Modbusmaster, wie z.B.Textanzeigen, Terminals, Bedienpanels oder Grafikdisplays mit Modbus_RTU-Protokoll Unterstützung. Die Anbindung erfolgt an einer seriellen Schnitt | 1.0.1 2011 年6月8 日 | zip 146.8 kB | Download |
| Connecting to a MySQL database The library "WagoLibMySql_02.lib" provide function blocks to communicate with MySQL-Database-Servers version 4.1 and above. The principal item of this library are function blocks "Execute" and "Query". Function block "MySql_Execute" is designed for all SQL-Statements who do not respond with a resultset, such as INSERT, UPDATE, DELETE, CREATE, ALTER, DROP and so, who just return OK or ERROR. Function block "MySql_Query" is designed for SQL-SELECT-Statements who respond with a resultset. This library make extensive use of global variables to allow optimize memory usage depending customer requirements. | 2.4 2010 年10月29 日 | zip 177.4 kB | Download |
| Connecting RFID-Reader RFM32 from Leuze The "RFM32_01.lib" library provides the user with the "RFM32" function block and the "RFM_REGISTER_TO_STRUCT" and "RFM_STRUCT_TO_REGISTER" functions. The "RFM" function block supports the services of the "RFM32" RFID reader from Leuze. The "RFM_REGISTER_TO_STRUCT" and "RFM_STRUCT_TO_REGISTER" function blocks convert the RFM32 registers into a structure or convert a structure back into registers needed for RFM32. | 1.0.1 2005 年10月26 日 | zip 757.7 kB | Download |
| Transparent modem communication The library "Modem_01.lib" provide the function block "MODEM_INTERFACE", this covers the compiled modem handling necessary to create a transparent modem connection. | 1.0.3 2004 年1月20 日 | zip 253.1 kB | Download |
| Anbindung Wegsensoren mit Start-/Stoppschnittstelle Die digitale Impulsschnittstelle ist für den Anschluss von magnetostriktiven Wegsensoren mit Start-/Stoppschnittstelle geeignet. Diese liefern nach Eingang eines Abfrageimpulses einen zeitlich verzögerten Antwortimpuls, wobei die Verzögerung proportional zur Wegstrecke des Aufnehmers ist. Einsetzbar sind Wegsensoren mit den folgenden Eigenschaften: Start-/Stoppschnittstelle mit RS-422 Differenzsignalen, Sensorversorgung 24 V, Hersteller z.B. Firma Balluff | 1.0.0 | zip 3.1 kB | Download |
| Function blocks for the AS Interface 750-655 | 1.0.0 | zip 168.9 kB | Download |

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Function blocks for the AS Interface 750-655. Handling of analog slaves. Handling of the Leuze Safety monitor. A function block for any mailbox command.

Engineering-Software

Configuration and Commissioning Software

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|---|--------------|----------|----------|
| WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762 | V 2.3.9.68 | zip | Download |
| Für ein Firmwareupdate können Sie sich jederzeit an den Support wenden. | 2022 年2月17 日 | 125.5 MB | |

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Installation Notes

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