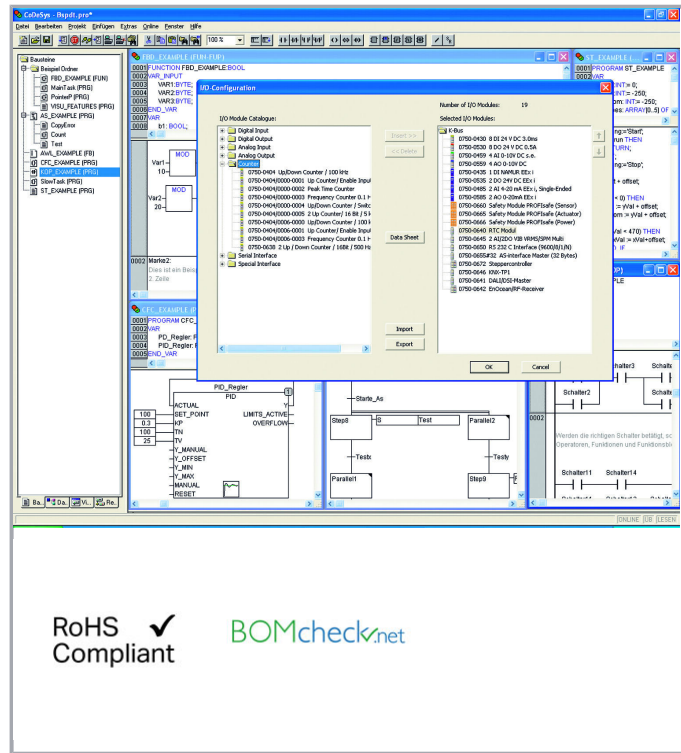




Item description

WAGO-I/O-PRO is a programming and visualization tool. It permits development of PLC applications for Programmable Fieldbus Controllers found within the WAGO-I/O-SYSTEM 750.

WAGO-I/O-PRO conforms to IEC 61131-3. This standard defines the requirements fulfilled by a programming system as well as 5 programming languages for PLCs. The languages IL, LD, FBD, ST and FC are supported. For every automation task, the appropriate language can be chosen.

The software meets increasing requirements of control program development, such as re-usability or modularization.

- Powerful translation of the programming languages
- Automatic declaration of variables
- Librarian /Library maintenance

Furthermore, integrated test and diagnostic functions facilitate and expedite PLC working processes.

Features:

- Online status indication in the program code
- Offline simulation

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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



- Integrated visual display of internal and external flags (markers)
- Storage and graphic display of project variables

WAGO-I/O-PRO not only programs WAGO CoDeSys Automation Alliance products but also CoDeSys Automation Alliance products from other manufacturers.

Data

System requirements

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

Delivery

Delivery type	Installation file (CD-ROM)
Scope of delivery	CD-ROM with software and serial communication cable (750-920)

Commercial data

Product Group	27 (Special components I/O)
Packaging type	BOX
Country of origin	DE
GTIN	4044918072472
Customs tariff number	85234920009

Counterpart

Downloads

Documentation

Manual

WAGO-I/O-PRO, Programming Tool IEC-61131-3 ; Version 2.3 Visualization		pdf 920.6 kB	Download
WAGO-I/O-SYSTEM 750 IEC-61850 Solution	V 1.8.0	pdf 19.7 MB	Download

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



WAGO-I/O-PRO, Programming Tool IEC-61131-3 ; Version 2.3

First steps

pdf
74.0 kB

Download

WAGO-I/O-PRO, Programming Tool IEC-61131-3 ; Version 2.3

Programming

pdf
3.0 MB

Download

Quick-Start Guide

Programmable fieldbus controller for telecontrol applications

IEC 60870 Quick-Start Guide

May 10, 2012

1.5 MB

Download

WAGO-I/O-SYSTEM 750

IEC-61850 Solution

V 1.8.0

pdf
19.7 MB

Download

Bid Text

759-333

GAEB docx - Datei

Jan 10, 2019

docx
17.0 kB

Download

759-333

GAEB X81 - Datei

Feb 19, 2019

xml
5.4 kB

Download

System Description

Software – General Product Information

pdf
485.7 kB

Download

Compatibility Information

Programmable fieldbus controller for telecontrol applications

IEC 60870 Interoperability

pdf
193.6 kB

Download

WAGO-I/O-PRO, Programming Tool IEC-61131-3 ; Version 2.3

Compatibility notes 759-333

pdf
364.2 kB

Download

Application Notes**Application Note CoDeSys 2.3**

Anwendungshinweis für die Steuerung eines Igus robolink

Der Anwendungshinweis beschreibt anhand einer Demoapplikation die Steuerung eines Igus robolink® Roboterarms mit sechs Achsen. Als Steuerung wird ein Wago PFC200 (Art.-Nr. 750-8202) verwendet.

12.11.2015
Nov 12, 2015zip
1.3 MB

Download

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

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



Application note: "ThiesModbusWeatherSensors_01" library with Thies Clima Sensor US and Thies Pyranometer GSM 10.7 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.	16.11.2015 Jan 29, 2016	zip 1.2 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 Nov 12, 2015	zip 1.2 MB	Download
Application note: "ThiesModbusWeatherSensors_01" library with Thies Weather Station Compact WSC11 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.	16.11.2015 Jan 29, 2016	zip 1.1 MB	Download
ApplicationNote Mobotix 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.	V1.0.0 Sep 28, 2018	zip 4.2 MB	Download
Data Exchange using Network Variables (a762008) 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.	V1.0.4 Nov 9, 2016	zip 2.2 MB	Download
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.	V1.0.2 Jan 20, 2004	zip 422.1 kB	Download
Using library WagoLibProcess_01 (a500410) Using WagoLibProcess_01.lib	V1.0.0 Sep 18, 2013	zip 1.1 MB	Download

Subject to changes. Please also observe the further product documentation!



CoDeSys 2.3 WebVisu - Dynamic language switching (a500730)	V1.0.0 May 21, 2014	zip 3.2 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.	V2.1.0 Sep 3, 2015	zip 2.4 MB	Download
Normierung von analogen Prozesswerten unter CoDeSys (a114400) Beispiel für die Normierung analoger Prozesswerte unter CoDeSys.	V1.0.0 May 31, 2011	zip 6.3 kB	Download
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.	V1.1.1 Aug 4, 2016	zip 31.9 MB	Download
WagoLibJSON_01.lib 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.	V 1.0.0 Feb 17, 2016	zip 250.6 kB	Download
Application note Wago EAP Modbus (a2019007) 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.	2019-12-12 Dec 12, 2019	zip 864.6 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 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.	V1.0.0 Aug 2, 2012	zip 1.0 MB	Download

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Using the web visualization with Java™ runtime environment (JRE, JVM) 7 update 51 (7u51) (a500690)	V1.2.4 Feb 26, 2019	zip 5.0 MB	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.

Wago Remote IO with Fanuc Robot using Ethernet/IP Protocol (a500390)	V1.0.0 Sep 27, 2012	zip 1.5 MB	Download
--	------------------------	---------------	----------

Using WagoLibMySQL_03 to communicate with MySQL databases (a302000)	V1.0.2 Nov 14, 2011	zip 1.2 MB	Download
---	------------------------	---------------	----------

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.

Application note SIEMENS

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.	V2.2.0 Dec 3, 2019	zip 10.0 MB	Download
---	-----------------------	----------------	----------

Normierung von analogen Prozesswerten unter Simatic S7 (a114401) Beispiel für die Normierung analoger Prozesswerte unter Simatic S7.	V1.0.0 May 31, 2011	zip 19.7 kB	Download
---	------------------------	----------------	----------

S7 Modbus Baustein für Kommunikation mit PN CPU 300 und 400 (a101405) Bausteine für die Modbus TCP/UDP Kommunikation (Funktionscode 23) mit der internen Ethernet Schnittstelle einer Siemens Simatic S7 PN CPU.	V1.0.0 Oct 28, 2016	zip 3.0 MB	Download
---	------------------------	---------------	----------

WagoLibDB 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.	V 1.0.1 Mar 22, 2016	zip 327.7 kB	Download
--	-------------------------	-----------------	----------

Application Note e!COCKPIT

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.	V1.1.1 Aug 4, 2016	zip 31.9 MB	Download
--	-----------------------	----------------	----------

Subject to changes. Please also observe the further product documentation!



Libraries

Library

Libraries for Building Automation CODESYS 2.3 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	2020-04-21 Apr 21, 2020	zip 78.5 MB	Download
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 Nov 4, 2016	zip 1.5 MB	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 Oct 17, 2019	zip 1.3 MB	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.	V3.2 Aug 22, 2016	zip 210.3 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.	V1.7 Jan 19, 2018	zip 21.9 MB	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-	V1.0.1 Dec 2, 2019	zip 501.9 kB	Download

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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.

Calculate SHA1 hash of a message of variable length	V1.0.0	zip	Download
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.	Jul 27, 2011	72.0 kB	

System services based on MBX 2.0 mechanism	V1.0.0	zip	Download
Wird von höherwertigen Bibliotheken genutzt. Nicht unmittelbar für den Endkunden notwendig.	Oct 11, 2013	196.4 kB	

Funktionalität der "SerComm.lib" für die seriellen Onboard-Schnittstellen	V2.0	zip	Download
Diese Bibliothek ersetzt auf den Bediengeräten der Serie 762 die Funktionalität der SerComm.lib für die seriellen Onboard-Schnittstellen.	Jan 24, 2013	147.4 kB	

Unterstützung von einfachen ASCII-Protokollen bei Scannern	v1.0.0	zip	Download
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.	Jul 27, 2011	71.3 kB	

Ethernet Bibliothek für den Modbuskonfigurator	V1.2	zip	Download
Bibliothek zur Verwendung mit dem Modbuskonfigurator. Diese Bibliothek enthält Strukturen und Bausteine für den Modbuskonfigurator und Ethernet Netzwerke auf 32 Bit Controllern.	Mar 31, 2015	33.1 kB	

Anbindung SEW	V1.0.0	zip	Download
	Jul 27, 2011	17.0 kB	

SMS-Versand über Festnetzmodem	V1.0.2	zip	Download
Diese Bibliothek enthält Bausteine zum SMS-Versand über ein Festnetzmodem. Es werden die Protokolle TAP und UCP unterstützt.	Jul 27, 2011	309.7 kB	

Serielle Bibliothek für den Modbuskonfigurator	V1.2	zip	Download
Bibliothek zur Verwendung mit dem Modbuskonfigurator. Diese Bibliothek enthält Strukturen und Bausteine für den Modbuskonfigurator und serielle Netzwerke (Modbus RTU / ASCII).	Jun 9, 2016	20.9 kB	

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Send Mails via TLS	V2.1 Sep 5, 2017	zip 547.9 kB	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.			
Anbindung von RFID-Lesegeräten	V1.0.0 Jul 27, 2011	zip 194.6 kB	Download
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.			
Communicate with remote webserver	V1.0.0 Jul 27, 2011	zip 123.7 kB	Download
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".			
Update ip addresses on www.dyndns.com via HTTP-API	V1.0.0 Oct 4, 2016	zip 56.2 kB	Download
This library provides the function block "DynDNS_Update" to update ip addresses on www.dyndns.com via HTTP-API..			
Modbus_RTU Master	V2.0 Nov 6, 2017	zip 432.1 kB	Download
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.			
Sending E-Mails based on "SysLibSockets.lib"	V1.0.0 Jul 27, 2011	zip 95.7 kB	Download
Sending mails with the 750-841 and 758-870 (IPC) using SysLibSocket library.			
Sending E-Mails based on "SysLibSockets.lib"	V3.1	zip	Download

Subject to changes. Please also observe the further product documentation!



The library "WagoLibMail_02.lib" provide 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.	Nov 25, 2015	548.0 kB	
ASCII BYTE_TO_STRING and STRING_TO_ASCII BYTE in a separete library The functions ASCII BYTE_TO_STRING and STRING_TO_ASCII BYTE are seperated since some 3rd party plc system do not provide these functions, e.g. Bosch or Elau.	V1.0.0 Feb 1, 2012	zip 283.3 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.	V2.15 Feb 16, 2016	zip 131.2 kB	Download
Reception of NMEA-0183 data sentences 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.	V1.0.0 Dec 10, 2015	zip 183.0 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.	V1.0.0 Jul 27, 2011	zip 50.4 kB	Download
Function blocks for the AS Interface 750-655 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.	V1.0.0	zip 168.9 kB	Download
Anbindung eines Ethernet Datenlogger der Fa. Avisaro 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.	V1.0.0	zip 346.7 kB	Download
Ansteuerung ebm-papst Ventilatoren Bausteine zur Ansteuerung von ebm-papst Ventilatoren mit ebmBus.	V1.0.1 Jul 27, 2011	zip 156.2 kB	Download
Kommunikation mit Messumformern der Fa. ABB	V1.0.0 Jul 27, 2011	zip 132.4 kB	Download

Subject to changes. Please also observe the further product documentation!



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

Basic function blocks for ethernet communication	V1.4.0	zip	Download
WagoLibEthernet_01.lib: Basic function blocks for ethernet communication like UDP /TCP and Client/Server based on SysLibSocket.	Mar 15, 2018	201.5 kB	

Communication based on mailbox2.0 mechanism	V1.0.1	zip	Download
	Feb 4, 2019	157.1 kB	

Zusätzliche CoDeSys-Visu-Komponenten	V1.1	zip	Download
Die Bibliothek "WAGO_Grafik_01.lib" stellt diverse Templates, wie z.B. Dropdown-Liste oder Radio-Button, zur Unterstützung von Visualisierungen zur Verfügung.	Jul 6, 2012	117.4 kB	

Allgemeine Bibliothek für den CoDeSys-Modbuskonfigurator	V1.0.1	zip	Download
Bibliothek zur Verwendung mit dem Modbuskonfigurator. Diese Bibliothek enthält allgemeine Strukturen für den Modbuskonfigurator.	Mar 31, 2015	5.5 kB	

Sending SMS via Provider www.SMS77.de	V2.7	zip	Download
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).	Jan 18, 2019	177.7 kB	

Calculate a 128bit MD5 hash of a message of variable length	V1.0.10	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 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.)	Aug 25, 2016	36.9 kB	

Connecting to a MySQL database	V2.4	zip	Download
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.	Oct 29, 2010	177.4 kB	

Anbindung Wegsensoren mit Start-/Stoppschnittstelle	V1.0.0	zip	Download
---	--------	-----	----------

Subject to changes. Please also observe the further product documentation!



3.1 kB

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

Handling for serial modules 750-65x	V1.0.2	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.	Jan 25, 2013	145.2 kB	

Parametrierung Bluetoothklemme 750-644	V1.0.1	zip	Download
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.	Jul 27, 2011	985.0 kB	

Anbindung von RFID-Lesegeräten Fa. Pepperl & Fuchs	V1.0.0	zip	Download
Die Bibliothek "WagoLib_IPT_FP_01.lib" beinhaltet Funktionsbausteine zur Ansteuerung der RFID-Lesegeräte der Fa. Pepperl + Fuchs.	Jul 27, 2011	493.6 kB	

Sending and receiving SMS via GSM-Modem	V1.0.1	zip	Download
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.	Mar 12, 2018	903.0 kB	

Treiber zur Siemens-Prozedur 3964R and RK512	V2.7	zip	Download
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.		614.6 kB	

Accessing OpenSSL crypto API	V1.3.2	zip	Download
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)	Nov 8, 2016	135.2 kB	

Library WagoLibCloud_02.lib	V2.2.4	zip	Download
	Jan 21, 2020	57.6 kB	

Subject to changes. Please also observe the further product documentation!



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.

SQL-Client for Microsoft SQL Server 200x Library "WagoLibMSSQL_03.lib" provides function blocks for accessing Microsoft databases.	V1.2.17 Mar 2, 2016	zip 569.5 kB	Download
Ethernet Bibliothek für den Modbuskonfigurator aus 16 Bit Systemen Bibliothek zur Verwendung mit dem Modbuskonfigurator. Diese Bibliothek enthält Strukturen und Bausteine für den Modbuskonfigurator und Ethernet Netzwerke auf 16 Bit Controllern.	V1.2 Mar 31, 2015	zip 34.6 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.	V3.3 May 24, 2016	zip 156.3 kB	Download
Secure communication with remote webserver This library provides function blocks to exchange data with a remote webserver via HTTPS protocol. Function blocks are available for methods POST and GET.	V1.19 Jun 9, 2016	zip 116.2 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.	V3.12 Mar 2, 2016	zip 181.2 kB	Download
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"	V1.6 Oct 17, 2012	zip 80.6 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.	V1.0.3 Jan 20, 2004	zip 253.1 kB	Download

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Connecting RFID-Reader RFM32 from Leuze	V1.0.1 Oct 26, 2005	zip 757.7 kB	Download
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.			
WagoLibWakeOnLan	V 1.2.0 Mar 6, 2018	zip 489.0 kB	Download
Remote wake up of network devices.			
TerminalSlave_04.lib - Anbindung von Displays	V 1.0.1 Jun 8, 2011	zip 146.8 kB	Download
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 Schnittstelle.			
Anbindung Gasanalysegerät der Fa. Union Apparatebau	V1.0.0 Jul 27, 2011	zip 108.8 kB	Download
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.			
CRC16 für Modbus	V1.0.0 Nov 30, 2011	zip 39.1 kB	Download
CRC 16 Berechnung nach Modbus RTU Spezifikation.			

Engineering-Software

Configuration and Commissioning Software

WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762	2.3.9.55 Jul 3, 2015	zip 108.3 MB	Download
---	-------------------------	-----------------	----------

Installation Notes

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.