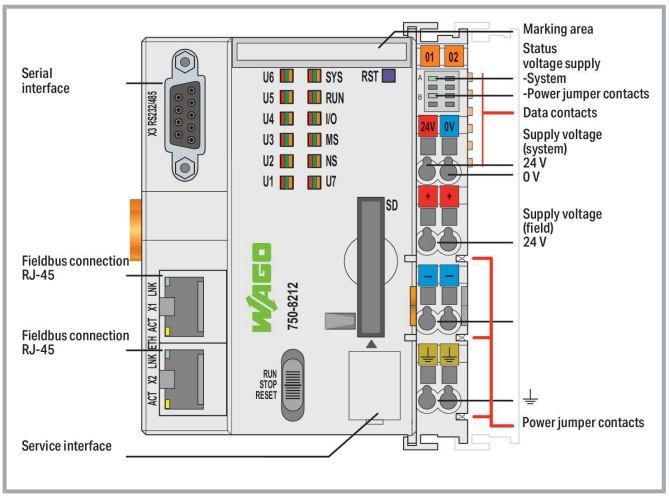
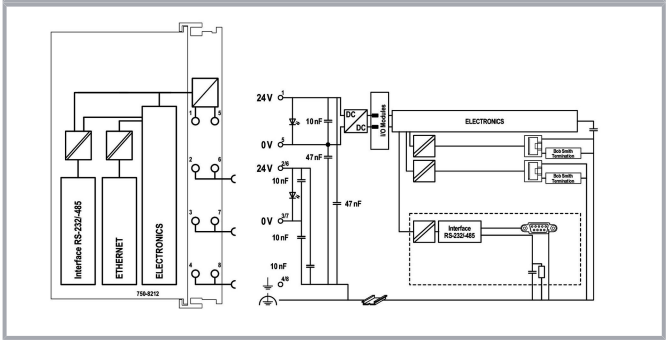
Data sheet | Item number: 750-8212

Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485

www.wago.com/750-8212

Color:





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

WAGO 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.

PFC200 Communication Options Overview

	CPU	On Board: Modbus (TCP), Modbus (UDP)***	On Board: EtherNet/IP	On Board: PROFINET	On Board: PROFIBUS	On Board: CANopen	On Board: BACnet/IP	On Board: EtherCAT	On Board: OPC UA Server/Client	On Board: OPC UA PubSub (can be installed later)	On Board: Modbus (RTU)**	On Board: Telecontrol Protocols	On Board: IoT Function Blocks	Product extensions: MAT Premium 2719-2503/111-1000 or 2719-2503/111-1100	Product extensions: Telecontrol Protocols 2719-2503/111-1000, 2719-2503/111-1100, IEC 60870-5 Master, 2719-2503/111-1000, IEC 60870-5 Slave, 2719-2503/111-1000, DNP3 Slave, 2719-2503/111-1000, DNP3 Master, 2719-2503/111-1000	Product extensions: Multi Cloud Connectivity 2719-2503/111-1000	Product extensions: GSM 2719-2503/111-1000	Description	Item No. Standard	Ext. Temperature
	Cortex A8; 1 GHz	M/S	M/S					M	x	x	x	x	x*	x*	x*	x*	Controller PFC200; 2nd Generation; 4 x ETHERNET	750-8210	750-8210/025-000
	Cortex A8; 1 GHz	M/S	M/S					M	x	x	x	x	x*	x*	x*	x*	Controller PFC200; 2nd Generation; 2 x ETHERNET, 2 x SFP Ports	750-8211	
	Cortex A8; 1 GHz	M/S	M/S					M	x	x	x	x	x*	x*	x*	x*	Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485	750-8212	750-8212/025-000
		M/S	M/S					M	x	x	x	x	x*		x*	x*	Telecontrol Technology Telecontrol Technology; ECO		750-8212/025-001 750-8212/025-002
		M/S	M/S				x		x	x		x		x*	x*	x*	BACnet/IP	750-8212/000-100	
	Cortex A8; 1 GHz	M/S	M/S			M/S		M	x			x	x*	x*	x*	x*	Controller PFC200; 2nd Generation; 2 x ETHERNET, CAN, CANopen	750-8213	
	Cortex A8; 1 GHz	M/S	M/S			M/S		M	x	x	x	x		x*	x*	x*	Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen	750-8214	
	Cortex A8; 1 GHz	M/S	M/S	S	M/S			M	x			x		x*	x*	x*	Controller PFC200; 2nd Generation; 4 x ETHERNET, CAN, CANopen, USB	750-8215	
	Cortex A8; 1 GHz	M/S	M/S		S	M/S		M	x	x	x	x	x*	x*	x*	x*	Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave	750-8216	750-8216/025-000
		M/S	M/S		S	M/S		M	x	x	x	x	x*		x*	x*	Telecontrol Technology		750-8216/025-001
	Cortex A8; 1 GHz	M/S	M**/S					M**	x**	x	x	x	x*	x*	x*	x*	Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485, Mobile Radio Module; EU version	750-8217	750-8217/025-000
		M/S	M**/S					M**	x**	x	x	x	x*	x*	x*	x*	Global version	750-8217/600-000	750-8217/625-000
	Cortex A8; 600 MHz	M/S	S	M						x		x					Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Master	750-8208	750-8208/025-000
		M/S	S	M						x	x	x					Telecontrol Technology		750-8208/025-001

M: Master, S: Slave; *requires an additional license, **in preparation; ***WagoAppPlcModbus Library

Item description

The PFC200 Controller is a compact PLC for the modular WAGO I/O System. Besides network and fieldbus interfaces, the controller supports all digital, analog and specialty modules found within the 750/753 Series.

Two ETHERNET interfaces and an integrated switch enable line topology wiring.

An integrated Webserver provides user configuration options, while displaying PFC200 status information.

Besides the processing industry and building automation, typical applications for the PFC200 include standard machinery and equipment control (e. g., packaging, bottling and manufacturing systems, as well as textile, metal and wood processing machines).

Advantages:

- Programming per IEC 61131-3
- Programmable via CODESYS 3.5 with FW23 and above
- Programmable via WAGO-I/O-PRO V2.3 or *e!COCKPIT* with FW22
- Direct connection of WAGO's I/O modules

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

WAGO 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.

- 2 x ETHERNET (configurable), RS-232/485
- Linux operating system with RT-Preempt patch
- Configuration via CODESYS, *e!COCKPIT* or Web-Based Management interface
- Maintenance-free

Data

Technical data

Communication	Modbus TCP master/slave Modbus (UDP), WagoAppPlcModbus Library Modbus (RTU), WagoAppPlcModbus Library ETHERNET EtherNet/IP™ Adapter (slave) EtherNet/IP™ Scanner EtherCAT® Master OPC UA Server/Client OPC UA Pub/Sub (can be installed later) MQTT RS-232 serial interface RS-485 interface BACnet/IP, **requires an additional license** Telecontrol protocols, **requires an additional license**
ETHERNET protocols	DHCP DNS NTP FTP FTPS SNMP HTTP HTTPS SSH
Telecontrol protocols	IEC 60870 (additional license as slave or master) IEC 61850 (additional license as Client or Server) DNP3 (additional license as Slave or Master)
Visualization	Web-Visu Web Visu
Operating system	Real-time Linux (with RT-Preempt patch)
CPU	Cortex A8; 1 GHz
Programming languages per IEC 61131-3	Instruction List (IL) Ladder Diagram (LD) Function Block Diagram (FBD) Continuous Function Chart (CFC) Structured Text (ST) Sequential Function Chart (SFC)

WAGO 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.

Programming environment	CODESYS V3.5, from firmware release 23 *e!COCKPIT* (based on CODESYS V3), up to firmware release 22 WAGO-I/O-*PRO* V2.3 (based on CODESYS V2.3), up to firmware release 22
Configuration options	CODESYS V3 *e!COCKPIT* WAGO-I/O-*CHECK* Web-Based Management *e!RUNTIME* library CODESYS Library
Baud rate (communication/fieldbus 1)	10/100 Mbit/s
Baud rate	ETHERNET: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	ETHERNET: Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Main memory (RAM)	512 MB
Internal memory (flash)	4096 MB
Non-volatile hardware memory	128 Kbytes
Program memory	CODESYS V2: 16 MB; CODESYS V3: 32 MB
Data memory	CODESYS V2: 64 MB; CODESYS V3: 128 MB
Non-volatile software memory	128 Kbytes
Non-volatile software memory	128. Kbytes
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO Memory Card)
Memory card slot	Push-push mechanism; Cover lid (sealable)
Number of modules per node (max.)	250
Number of modules without a bus extension (max.)	64
Input and output process image (internal) max.	1000 words/1000 words
Input and output process image (Modbus®) max.	CODESYS V2: 1000 words/1000 words; CODESYS V3: 32000 words /32000 words
Indicators	LED (SYS, RUN, I/O, U1 … U7) red/green/orange: Status of system, program, local data bus, status programmable by user (can be used via CODESYS library); LED (A, B) green: Status of system power supply, field supply
Supply voltage (system)	24 VDC (-25 … +30 %); via pluggable connector (CAGE CLAMP® connection)
Input current (typ.) at nominal load (24 V)	550 mA
Total current (system supply)	1,700 mA
Supply voltage (actuator)	N/A N/A
Supply voltage (field)	24 VDC (-25 … +30 %); via power jumper contacts
Current carrying capacity (power jumper contacts)	10 A
Number of outgoing power jumper contacts	3

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

WAGO 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.

Isolation	500 V system/field

Connection data

Connection technology: communication/fieldbus	Modbus (TCP, UDP): 2 x RJ-45; Modbus® RTU: 1 x D-sub 9 socket; RS-232 serial interface: 1 x D-sub 9 socket; RS-485 interface: 1 x D-sub 9 socket
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: field supply	6 x CAGE CLAMP®
Connection type 1	System/field supply
Solid conductor	0.08 … 2.5 mm² / 28 … 14 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 14 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inches
Connection technology: device configuration	1 x Male connector; 4-pole

Physical data

Width	78.6 mm / 3.094 inches
Height	100 mm / 3.937 inches
Depth	71.9 mm / 2.831 inches
Depth from upper-edge of DIN-rail	64.7 mm / 2.547 inches

Mechanical Data

Weight	214.8 g
Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 … +55 °C
Ambient temperature (storage)	-25 … +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	without temperature derating: 0 … 2000 m; with temperature derating: 2000 … 5000 m (0.5 K/100 m); 5000 m (max.)
Relative humidity (without condensation)	95 %
Mounting position	any
Mounting type	DIN-35 rail

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

WAGO 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.

Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Fire load	2.551 MJ
Permissible H_2S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO_2 contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

eCl@ss 10.0	27-24-26-07
eCl@ss 9.0	27-24-26-07
ETIM 8.0	EC000236
ETIM 7.0	EC000236
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143758789
Customs tariff number	85371091990

Environmental Product Compliance

CAS-No.	1303-86-2 1314-23-4 1317-36-8 693-98-1 7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 2-methylimidazole Diboron trioxide Lead Lead monoxide Perfluorobutane sulfonic acid (PFBS) and its salts Zirconium Oxide
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a)

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

WAGO 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.

	7(c)-I 7(c)-II
SCIP notification number (Austria)	cdb3fb17-40de-4401-b69f-a4eba7617a35
SCIP notification number (Belgium)	9df949dc-8215-49fb-bc3d-b8138adf3d54
SCIP notification number (Bulgaria)	5e2cc238-0b57-44f5-841a-914b9a9106db
SCIP notification number (Czech Republic)	6f2ec62b-b1d7-41fd-bd08-53f1f066579b
SCIP notification number (Denmark)	dda30b2f-13b4-4ba2-8217-5f0911ac8064
SCIP notification number (Finland)	bfb94d6c-4452-4dc4-98bf-4cf30aeedaf9
SCIP notification number (France)	db8dc1da-3777-4580-86fe-b255678ad3e9
SCIP notification number (Germany)	cdb9d8e9-1c7c-4cb5-82a9-d1a354436f8c
SCIP notification number (Hungary)	f8f5a668-40a0-464c-b631-0b54aaa609d9
SCIP notification number (Italy)	3e3ff0a4-e76c-467a-a261-16166081f0f4
SCIP notification number (Netherlands)	610f023d-547b-4525-a177-7f59d1b13f66
SCIP notification number (Poland)	03c368e7-1dea-4f72-9fd1-9476580f0177
SCIP notification number (Romania)	37a892a9-87c6-421a-9519-f669f4cd6102
SCIP notification number (Sweden)	88ce2c4e-8c0c-411c-a562-f03f7e9471cd

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCC CNEX	CNCA-C23-01	2020312310000213 (Ex ec IIC T4 Gc)
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43- PFC750
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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

WAGO 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.

	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	22-2219060
	BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1104
	BV Bureau Veritas S.A.	Rules for class. of Steel Ships	66711/A0
	DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194
	KR Korean Register of Shipping	-	KR HMB05880-AC001
	LR Lloyds Register EMEA	-	LR22180952TA
	PRS Polski Rejestr Statków	-	TE/2236/880590/19
	RINA RINA Germany GmbH	-	ELE343521XG001

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

WAGO 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.

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV_14_ATEX_148929_X (II 3 G Ex ec IIC T4 Gc)
	CCC CNEX	CNCA-C23-01	2020312310000213 (Ex ec IIC T4 Gc)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C-DE.AM02.B.00163 /19 (2Ex e IIC T4 Gc X)
	IECEx TUEV Nord Cert GmbH	IEC 60079-0	IECEx TUN 14.0035 X (Ex ec IIC T4 Gc)
	INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079-0	BR-Ex_TÜV 12.1297 X
	KTL Korea Testing Laboratory	KOSHA Article 34, IEC60079-0	21-KA4BO-0557X
	UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WAGO22UKEX003X_ec
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

Optional accessories

System housing

System enclosure

Item no.: 850-814/002-000
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate

www.wago.com/850-814/002-000

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

WAGO 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.

	Item no.: 850-815/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate	www.wago.com/850-815/002-000
	Item no.: 850-816/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate	www.wago.com/850-816/002-000
	Item no.: 850-817/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate	www.wago.com/850-817/002-000
	Item no.: 850-825 IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20	www.wago.com/850-825
	Item no.: 850-826 IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip	www.wago.com/850-826
	Item no.: 850-827 IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip	www.wago.com/850-827
	Item no.: 850-827/002-000 IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip	www.wago.com/850-827/002-000
	Item no.: 850-826/002-000 IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip	www.wago.com/850-826/002-000
	Item no.: 850-828/002-000 IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip	www.wago.com/850-828/002-000
	Item no.: 850-828 IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip	www.wago.com/850-828
	Item no.: 850-834 IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20	www.wago.com/850-834
	Item no.: 850-835 IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip	www.wago.com/850-835
	Item no.: 850-836 IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip	www.wago.com/850-836

Cables and pluggable connectors

Connector plug

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

Item no.: 750-975
ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly
www.wago.com/750-975

Item no.: 750-978/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief
www.wago.com/750-978/000-012

Item no.: 750-979/000-012
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief
www.wago.com/750-979/000-012

Item no.: 750-978/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief
www.wago.com/750-978/000-021

Item no.: 750-979/000-022
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief
www.wago.com/750-979/000-022

Item no.: 750-978/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief
www.wago.com/750-978/000-022

Item no.: 750-979/000-011
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief
www.wago.com/750-979/000-011

Item no.: 750-979/000-021
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief
www.wago.com/750-979/000-021

Item no.: 750-977/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22
www.wago.com/750-977/000-011

Item no.: 750-978/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief
www.wago.com/750-978/000-011

Item no.: 750-977/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24
www.wago.com/750-977/000-022

Item no.: 750-977/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22
www.wago.com/750-977/000-012

Item no.: 750-977/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24
www.wago.com/750-977/000-021

Communication

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

WAGO 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.

Communication cable

Item no.: 750-923
Configuration cable; USB connector; Length: 2.5 m
www.wago.com/750-923

Item no.: 750-923/000-001
Configuration cable; USB connector; Length: 5 m
www.wago.com/750-923/000-001

Shield termination

Shield clamping saddles

Item no.: 790-116
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 … 16 mm
www.wago.com/790-116

Item no.: 790-124
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 … 24 mm
www.wago.com/790-124

Item no.: 790-108
Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 … 8 mm
www.wago.com/790-108

Item no.: 790-140
Shield clamping saddle; diameter of compatible conductor
www.wago.com/790-140

Item no.: 790-216
Shield clamping saddle; 21.8 mm wide; 6 … 16 mm
www.wago.com/790-216

Item no.: 790-220
Shield clamping saddle; 30 mm wide; 6 … 20 mm
www.wago.com/790-220

Item no.: 790-208
Shield clamping saddle; 12.4 mm wide; 3 … 8 mm
www.wago.com/790-208

Memory card

Memory card

Item no.: 758-879/000-001
Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C
www.wago.com/758-879/000-001

Item no.: 758-879/000-2108
Memory Card SD; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C
www.wago.com/758-879/000-2108

Marking accessories

Marker carrier

Item no.: 750-103
Group marker carrier
www.wago.com/750-103

Marker

Item no.: 2009-145/000-006
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue
www.wago.com/2009-145/000-006

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

WAGO 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.

	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	www.wago.com/2009-145/000-002
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/2009-145/000-007
	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	www.wago.com/2009-145/000-005
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/2009-145/000-012
	Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/2009-145/000-023
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/2009-145/000-024
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	www.wago.com/248-501/000-006
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/248-501/000-007
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	www.wago.com/248-501/000-002
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	www.wago.com/248-501/000-012
	Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/248-501

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

Item no.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green
www.wago.com/248-501/000-017

Item no.: 248-501/000-005
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red
www.wago.com/248-501/000-005

Item no.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet
www.wago.com/248-501/000-024

Item no.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green
www.wago.com/248-501/000-023

Group marker carrier

Item no.: 750-107
Group marker carrier
www.wago.com/750-107

Software

Basic version

Item no.: 2759-101/1110-2005
e!COCKPIT; Multi-User License; 05 pcs
www.wago.com/2759-101/1110-2005

Item no.: 2759-101/1110-2002
e!COCKPIT; Workstation License
www.wago.com/2759-101/1110-2002

Item no.: 2759-101/1110-2015
e!COCKPIT; Multi-User License; 15 pcs
www.wago.com/2759-101/1110-2015

Item no.: 2759-101/1110-2020
e!COCKPIT; Multi-User License; 20 pcs
www.wago.com/2759-101/1110-2020

Item no.: 2759-101/1110-2010
e!COCKPIT; Multi-User License; 10 pcs
www.wago.com/2759-101/1110-2010

Item no.: 2759-101/1110-3000
e!COCKPIT; Site License
www.wago.com/2759-101/1110-3000

Item no.: 2759-101/1110-4000
e!COCKPIT; Buy-out License
www.wago.com/2759-101/1110-4000

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

WAGO 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.

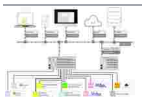
Item no.: 759-333
WAGO-I/O-PRO

www.wago.com/759-333

Item no.: 759-333/000-923
WAGO-I/O-PRO; USB-Set

www.wago.com/759-333/000-923

Software applications



Item no.: 2759-206/261-1000
Application Energy Data Management; Single License; Online activation

www.wago.com/2759-206/261-1000

Item no.: 2759-207/271-1000
Visualization Energy Data Management; Single License; Online activation

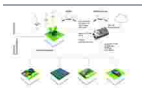
www.wago.com/2759-207/271-1000

Item no.: 2759-120/1121-1000
e!COCKPIT MTP; Single License; Online activation

www.wago.com/2759-120/1121-1000

Item no.: 2759-208/211-1000
Library MTP; Single License; Online activation

www.wago.com/2759-208/211-1000



Item no.: 2759-203/211-1000
Library Power Plant Control; VDE-AR-N 4110 / 4120; Single License; Online activation

www.wago.com/2759-203/211-1000

Item no.: 2759-2101/271-1000
Visualization Lighting Management; S; Single License; Online activation

www.wago.com/2759-2101/271-1000

Item no.: 2759-2102/271-1000
Visualization Lighting Management; M; Single License; Online activation

www.wago.com/2759-2102/271-1000

Item no.: 2759-2103/271-1000
Visualization Lighting Management; L; Single License; Online activation

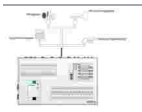
www.wago.com/2759-2103/271-1000

Item no.: 2759-2015/261-1000
Application Grid Gateway; Single License; Online activation

www.wago.com/2759-2015/261-1000

Item no.: 2759-2110/261-1000
Application flexROOM; Single License; Online activation

www.wago.com/2759-2110/261-1000



Item no.: 2759-241/261-1000
Application Weather Station; Single License; Online activation

www.wago.com/2759-241/261-1000

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

WAGO 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.

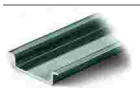
	Item no.: 2759-204/261-1000 Application Lighting Management; Single License; Online activation	www.wago.com/2759-204/261-1000
	Item no.: 2759-245/211-1000 Library Controller Redundancy Master; Single License; Online activation	www.wago.com/2759-245/211-1000

Other

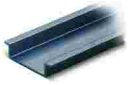
	Item no.: 2759-244/210-1000 Runtime; Room Automation; Macro; Single License	www.wago.com/2759-244/210-1000

Carrier rail

Mounting accessories

	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	www.wago.com/210-197
	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	www.wago.com/210-198
	Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-504
	Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-505
	Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-506
	Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-508
	**Item no.: 210-113** Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
	Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	www.wago.com/210-112
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-114
	Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	www.wago.com/210-115

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



Item no.: 210-196
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored www.wago.com/210-196

Downloads

Documentation

Manual

System Manual WAGO I/O System 750/753 Decentralized Automation Technology	V 3.3.0 2023 May 4	pdf 8.8 MB	Download
Product Manual PFC200 G2 2ETH RS Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485	1.6.1 2023 Apr 19	pdf 5.1 MB	Download
Migration Guide Migration from e!COCKPIT projects to CODESYS V3.5	V 1.2.0 2023 Apr 13	pdf 4.5 MB	Download
Product Manual Documentation WAGO Solution Builder WAGO Solution Builder is a software solution that enables holistic and efficient building automation project engineering and can be used throughout the entire building life cycle. With WAGO Solution Builder, you can organize all of your own building automation projects on a web interface and, thanks to integrated device management, ensure that your project-specific WAGO controllers are always updated. br/br/Once downloaded, the software can be used for free during the 2021 /2022 launch. After that, you can activate WAGO Solution Builder by purchasing a license key. br/br/Please note that an e!COCKPIT license is required to create applications.	1.2.0 2022 Oct 26	pdf 10.5 MB	Download
Product Manual OPC UA Mapping Editor	V 1.1.0 2022 Mar 11	pdf 3.4 MB	Download
e!RUNTIME EtherCAT® Master	V 1.1.1 2019 Dec 17	pdf 879.5 kB	Download
Cyber Security for Controller PFC100 / PFC200	V 1.0.0 2019 Oct 31	pdf 4.9 MB	Download
Product Manual WAGO MODBUS Master Configurator for configuration of MODBUS networks in WAGO-I/O-PRO (CODESYS)	V 1.1.0	pdf 1.8 MB	Download
OPC_UA Mapping Editor Online Help HTML		URL	Download
System Manual Series 750/753		URL	Download

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

WAGO 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.

Online HTML			
Migration Guide from e!COCKPIT projects to CODESYS V3.5 Online Help (HTML)		URL	Download

Bid Text

750-8212 X81 - Datei	2019 Feb 19	xml 10.1 kB	Download
750-8212 docx - Datei	2018 Nov 21	docx 22.4 kB	Download
Tender text Lighting Management Tender text for the Lighting Management software – basic functions, detailed functions, configuration		doc 80.4 kB	Download
ausschreiben.de 750-8212		URL	Download

Instruction Leaflet

CCC Ex (Additional information) WAGO-I/O-SYSTEM *750-****/*	2023 Apr 26	pdf 163.6 kB	Download

Tutorial

Set IP address with Ethernet Settings In this video we are demonstrating how you can set a IP address with Ethernet Settings. Content: 00:27 – Chapter #1 Download and install software; 00:56 – Chapter #2 Open Ethernet Settings; 01:10 – Chapter #3 Establish serial Connection; 01:34 – Chapter #4 Set IP address; 02:10 – Chapter #5 Check IP address	3.0 2017 Dec 18	mp4 88.3 MB	Download
Establish connection to a controller using SSH In this video we are demonstrating how to establish a SSH connec-tion with a controller using for example PuTTY to be able to work with the LINUX console. Contents: 0:21 Download and install the SSH client; 0:40 Establish the SSH connection; 0:50 Log on to the Controller	1.0 2017 Aug 5	mp4 29.0 MB	Download
Installation Tutorial Application Controller Video on the installation of the Lighting Management software on the application controller		mp4 30.6 MB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download

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

WAGO 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.

Wiring-Instructions	2.1.0 2022 Jul 28	pdf 2.6 MB	Download
WAGO OPC UA Server	V 1.1.0 2021 Jan 28	pdf 1.2 MB	Download

Compatibility Information

Compatibility List DALI Sensors This application note shows all DALI Sensors which are compatible with CODESYS V2. 3 applications, e!Cockpit applications, the WAGO Lighting Management software, the WAGO flexROOM®software and the WAGO DALI Configurator.	V 1.2.2 2022 Sep 12	pdf 465.8 kB	Download

System Description

Controller PFC100/200, General Product Information		pdf 592.5 kB	Download
Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 789.0 kB	Download

Application Notes

Application Note CoDeSys 2.3

Application Note Data Plotter The Data Plotter is a Web application that can be used as a visualization tool for the data logger in CODESYS V2.3 and e!COCKPIT. It allows the user to graphically display data captured by the data logger library (WAGO_Datalogger_02.lib for CODESYS V2. 3 and WagoAppDatalogger for e!COCKPIT from V1.2.100.6023).	2023-06-01 2023 Jun 1	zip 6.7 MB	Download
Application Note: MpBus_03 Library This Application Note explains how a WAGO fieldbus controller sets up communication to the MP-bus actuators via the MP-bus master module (750-643).	2020-08-14 2020 Aug 14	zip 526.0 kB	Download
Application Note Library WagoDatalogger_02 This application note describes the use of the WagoDatalogger_02.lib library. Up to 80 analog or digital signals can be recorded.	2020-05-20 2020 May 20	zip 1.3 MB	Download
Application note Cloud Connectivity This application note explains how the WAGO controllers PFC100 and PFC200 can communicate with cloud services like Microsoft Azure (WAGO Cloud), Amazon AWS and IBM Bluemix. Data could be send to the cloud and commands could receive from the cloud. The libraries WagoLibCloud for WAGO-I/O-PRO V2.3 and WagoAppCloud for e!COCKPIT are used.	2019-09-17 2019 Sep 17	zip 4.1 MB	Download

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

WAGO 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 for installing a MySQL-Server on a PFC-Controller This Application Note explains how a MySQL-Server can be set up and used on a PFC 200. The Application shows how measurement values of the 3-Phase Power Measurement Module can be written into a database.	1.0.4 2019 May 16	zip 4.5 MB	Download
Application note: DALI 753-647 Configuration Interface This application note describes the WAGO DALI Configurator, the integration of the DALI visualization for configuring various sensor types and the implementation in a program.	1.0.2 2019 Apr 29	zip 3.1 MB	Download
Connection of Thermokon Multi-function room control units WRF 06 The fundamental method of setting up communication between the WAGO I/O System and the multi-function room operating panel (WRF06 RS485 Modbus) from Thermokon is described in this application note.	10.04.2019 2019 Apr 10	zip 845.9 kB	Download
Connection of Thermokon Multi-function room control units WRF 08 The fundamental way of carrying out the communication between the WAGO I/O System and the multi-function room operating panel (WRF08 RS485 Modbus) from Thermokon is described in this application note.	10.04.2019 2019 Apr 10	zip 876.4 kB	Download
HART Tool Routing via ETHERNET with 750-820x/750-88x and CODESYS 2.3 (a116120) This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. With the Cerabar PMC51 (Endress+Hauser) as an example, a connection is established from any HART sensor to a WAGO PROFIBUS Controller and a WAGO ETHERNET Fieldbus Coupler. The configuration is made with the asset management software WAGOframe, PACTware und FieldCare.	1.0.0 2019 Mar 22	pdf 3.9 MB	Download
HVAC System Macros WAGO provides system macros for HVAC applications that are based on Building_HVAC_03.lib.	10.03.2017 2019 Mar 15	zip 13.6 MB	Download
Using the web visualization with Java™ runtime environment (JRE, JVM) 7 update 51 (7u51) (a500690) 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.	1.2.4 2019 Feb 26	zip 5.0 MB	Download
Anbindung der HKW-Elektronik Wetterprognose-Station WS-K xx T ModBus Dieser Anwendungshinweis beschreibt, wie die Kommunikation zwischen dem WAGO-I/O-System und einer HKW-Elektronik Wettterprognose-Station Kompakt realisiert werden kann.	1.1 2017 Jul 7	zip 781.1 kB	Download
Application Note: DMX_02	26.04.2017	zip	Download

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

WAGO 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.

This application note describes how a DMX master for DMX device control can be performed via 750-652 serial interface.	2017 Apr 26	751.0 kB	
GRUNDFOS GENIbus interface, application note This application note describes how communication between the WAGO-I/O-SYSTEM and the Grundfos MAGNA series circulation pumps can be performed via GENIbus interface.	20.03.2017 2017 Mar 20	zip 286.6 kB	Download
Application Note: EnOcean_06 Library This application note describes how communication between the WAGO-I/O-SYSTEM and different EnOcean wireless sensors can be implemented using the EnOcean_06.lib library.	30.11.2016 2016 Nov 30	zip 842.0 kB	Download
Erreichen der Linuxkonsole des PFC200 (a100701) Besonders bei Linux-basierten Geräten kann die Verwendung der Linux-Konsole des Gerätes dem Entwickler helfen schnell an benötigte Informationen z.B. über die Konfiguration des Gerätes zu gelangen. Dieser Anwendungshinweis beschreibt verschiedene gängige Methoden die Linux-Konsole eines PFC200 von einem PC aus zu Erreichen und zu Verwenden und mögliche Hürden, die dabei existieren.	1.0.0 2016 Aug 29	zip 521.3 kB	Download
Application Note Library ModuleAccess_01 These instructions describe the use of the ModuleAccess_01.lib library using 4 examples.	05.01.2016 2016 Jan 29	zip 1.0 MB	Download
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 2015 Nov 12	zip 1.3 MB	Download
HLK-Anlagenmakros für TRIC In dieser Zip-Datei finden Sie Vorlagen und Makros für die Planungssoftware TRIC. TRIC ist ein Werkzeug für Planer und Errichter von HLK-Anlagen, das den Richtlinien der VOB, VDI und DIN EN ISO entspricht.	2015-07-10 2015 Jul 10	zip 76.8 MB	Download
Application Note for the 750-494 3-Phase Power Measurement Module The application note for the 3-Phase Power Measurement Module 750-494 shows how the measured values of the power measurement module can be read. It is also shown how the power module can be configured using the WAGO-I/O-PRO- V2.3 visualization tool.	24.01.2014 2014 Nov 11	zip 1.7 MB	Download
Application Note for the 750-495 3-Phase Power Measurement Module The application note for the 3-Phase Power Measurement Module 750-495 shows how the measured values of the power measurement module can be read. It is also shown how the power module can be configured using the WAGO-I/O-PRO- V2.3 visualization tool.	24.01.2014 2014 Jan 24	zip 1.8 MB	Download

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

WAGO 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.

Connection of a Thermokon Thanos SR L MODBUS room control unit to the WAGO-I/O-SYSTEM The fundamental method of setting up communication between the WAGO I/O System and the Thanos SR L MODBUS room operating panel from Thermokon is described in this application note.	02.05.2013 2013 May 13	zip 313.2 kB	Download
Connection of DMX devices to the WAGO-I/O-SYSTEM via the ArtNet-DMX STAGE-PROFI 1.1 This application note describes connecting the ArtNet-DMX STAGE-PROFI 1.1 to the WAGO-I/O-SYSTEM. The ArtNet-DMX STAGE-PROFI 1.1 can be operated as a DMX master and a DMX slave.	11.01.2013 2013 Jan 11	zip 1.5 MB	Download
Application Note PowerMeasurement_03 Library This application note describes how current, voltage, effective power, power factor and energy consumption can be measured using 3-phase power measurement modules (750-493).	19.01.2011 2012 Mar 19	zip 954.5 kB	Download
Application Note Connecting with an iPod Touch This Application Note explains the basic procedures for access to the WAGO Ethernet Controller 750-8xx or the WAGO Ethernet Coupler 750-3xx using an iPod Touch.	30.03.2011 2011 Oct 28	zip 439.1 kB	Download
Application Note Weather Station Elsner P03 Modbus This application note describes how communication can be set up between the WAGO I/O System and the ELSNER P03/3 weather station with a Modbus interface.	01.12.2011 2011 Oct 28	zip 275.6 kB	Download
Application Note Scheduler_03.lib This application note describes different applications of the Scheduler_03.lib library.	20.05.2011 2011 May 20	zip 1.8 MB	Download

Application Note e!COCKPIT

Application Note Data Plotter The Data Plotter is a Web application that can be used as a visualization tool for the data logger in CODESYS V2.3 and e!COCKPIT. It allows the user to graphically display data captured by the data logger library (WAGO_Datalogger_02.lib for CODESYS V2.3 and WagoAppDatalogger for e!COCKPIT from V1.2.100.6023).	2023-06-01 2023 Jun 1	zip 6.7 MB	Download
e!COCKPIT Application Note WAGO Visualization Datalogger (a2022005) WAGO Visualization Datalogger is a Web application that can be used as a visualization tool for the recorded data of the datalogger library (WAGOAppDatalogger). WAGO Visualization Datalogger does not replace the datalogger but is rather a supplementary function. It is an HTML/Javascript application available via the Webserver on the controller. The user launches the Web application in a browser.	20230505 2023 May 5	zip 4.1 MB	Download
e!COCKPIT Anwendungshinweis HVAC BACnet Macros (a2021010)	1.3.0 2023 Feb 27	zip 69.2 MB	Download

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

WAGO 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.

Basierend auf der Bibliothek WagoAppBuildingHVAC_BACnet stellt WAGO in dem Bereich Heizung, Lüftung und Klimatisierung verschieden HLK-Anlagenmakros mit BACnet-Anbindung zur Verfügung.			
e!COCKPIT Application Note WAGO Cloud Building Operation and Control (a2021008) Data should be sent to the WAGO Cloud Building Operation and Control. The application note illustrates the data structure required for this using a sample application (retail store). The principle can be transferred to other properties.	1.0.0 2023 Jan 31	pdf 1.6 MB	Download
e!COCKPIT application note WagoAppCloud This application note explains how the WAGO controllers PFC100 and PFC200 can communicate with cloud services like Microsoft Azure (WAGO Cloud), Amazon AWS and IBM Bluemix. Data could be send to the cloud and commands could receive from the cloud. The library WagoAppCloud for e!COCKPIT is used.	2022-11-04 2022 Nov 4	zip 2.7 MB	Download
e!COCKPIT Application Note OPC UA Client (a2022001) In this application note, an example project for using the "WagoSysOpcuaClient" library is provided. The WagoSysOpcuaClient library provides the customer with function blocks to connect to one or more OPC UA servers, to read and write data points. The function blocks were developed in accordance with PLCopen-OPC-UA-Client for IEC 61131-3 (Document Version 1.1).	1.0.0 2022 Apr 5	zip 1.4 MB	Download
e!COCKPIT AppNote GENIbus (a2021003) Description of controlling a GRUNDFOS pump type MAGNA3 25-40 180 connected to a RS485 communication module via the WAGO-I/O-SYSTEM.	1.0.1 2021 Dec 6	pdf 773.2 kB	Download
e!COCKPIT Anwendungshinweis Thies Wettersensoren (a2021014) In diesem Anwendungshinweis wird beschrieben, wie die Einbindung eines Thies Clima Sensor US in Verbindung mit einem Pyranometer GSM 10.7 und einer Wetterstation Compact WSC11 mit Hilfe der Bibliothek ThiesModbusWeatherSensors_01.lib erfolgt. Die Sensoren werden auf einer Busleitung und somit an einer seriellen Klemme betrieben. Weiterhin wird beschrieben, wie ein Adresswechsel durchzuführen ist.	2021-12-06 2021 Dec 6	zip 946.7 kB	Download
e!COCKPIT Application Note BACnet PFC This application note describes how BACnet/IP data communication can be established within the WAGO-I/O-SYSTEM. This document explains how to create, read and write BACnet objects and how to link I/O modules to the BACnet fieldbus.	1.0.0 2021 Dec 6	pdf 3.4 MB	Download
SNMP Communication (a500850) This application note explains how the WAGO controllers PFC100 andPFC200 can communicate via SNMP: Sending traps / inform notifications, creating an MIB and using the controller as an SNMP agent. To do so, the SNMP-specific libraries for WAGO-I/O-PRO V2.3 and e!COCKPIT are used.	1.1.0 2020 Feb 20	zip 3.8 MB	Download
eCOCKPIT application note installation MySQL-Server	1.0.3	pdf	Download

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

WAGO 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.

This Application Note explains how a MySQL-Server can be set up and used on a PFC 200. The Application shows how measurement values of the 3-Phase Power Measurement Module can be written into a database.	2019 Sep 9	1.9 MB	
HART Tool Routing via ETHERNET with 750-820x and e!RUNTIME (a116130) This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. With the Cerabar PMC51 (Endress+Hauser) as an example, a connection is established from any HART sensor to a WAGO PROFIBUS Controller and a WAGO ETHERNET fieldbus coupler. The configuration is made with the asset management software WAGOframe, PACTware und FieldCare.	1.0.0 2019 Mar 22	pdf 2.9 MB	Download

Libraries

Library

WAGO_Datalogger_02.lib The FbDatalogger function block logs entries from up to 80 channels at an interval of min. one second in a CSV file.	2.7 2020 May 20	zip 678.8 kB	Download
ModuleAccess_01.lib The ModuleAccess_01 library provides both module configuration and access to its process data within a CoDeSys project without the use of WAGO I/O Check.	1.8.7 2020 Jan 27	zip 2.2 MB	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 Jan 21	zip 57.6 kB	Download
WagoConfigToolLIB The library WagoConfigToolLIB.lib library provides function blocks for accessing the device configuration (e.g., network settings, data and time, ongoing services).	1.0.0 2013 Oct 8	pdf 349.1 kB	Download
WagoLibCpuUsage This library enables you to determine the CPU load (usage).	1.0.0	pdf 265.7 kB	Download
WagoLibDiagnosticIDs This library is used to take part in an internal diagnostics protocol via an IEC-61131 application. You can define your own IDs and provide your own texts for this. You can also transmit your own diagnostics IDs. Diagnostics generated in this manner are saved in the system log and displayed in text form, for example, in the WBM.	1.0.0	pdf 298.2 kB	Download
WagoLibLed	1.0.0	pdf 516.5 kB	Download

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

This library contains function blocks that can be used for control and querying of the user LEDs and for querying of the status LEDs. Depending on the device design, not all of the user or status LEDs may be provided.

WagoLibNetSnmpManager The “WagoLibNetSnmpManager.lib” library is used to implement SNMP manager functions. This makes it possible to access other SNMP agents as well as call and modify OIDs via an IEC program.	1.1.0	pdf 1.1 MB	Download

Engineering-Software

e!COCKPIT

e!COCKPIT Register at no cost and test our engineering software for 30 days.	1.11.2.0 2023 Apr 24	zip 4.1 GB	Download

Configuration and Commissioning Software

(759-316) WAGO Ethernet Settings / Serie 750	06.18.01.01 2023 Feb 28	zip 27.3 MB	Download
WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762 Für ein Firmwareupdate können Sie sich jederzeit an den Support wenden.	V 2.3.9.68 2022 Feb 17	zip 125.5 MB	Download

WAGO Solution Builder

WAGO Solution Builder WAGO Solution Builder is a software solution that enables holistic and efficient building automation project engineering and can be used throughout the entire building life cycle. With WAGO Solution Builder, you can organize all of your own building automation projects on a web interface and, thanks to integrated device management, ensure that your project-specific WAGO controllers are always updated. Once downloaded, the software can be used for free during the launch phase until October 2023. After that, you can activate WAGO Solution Builder by purchasing a license key.		URL	Download

Desktop Application

WAGOupload WAGOupload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers.		URL	Download

CODESYS V3 with WAGO DSP

CODESYS Development System V3 including WAGO Device Support Package Have you not yet installed CODESYS Development System V3? Would you like to program WAGO controllers? Then you've come to the right place!		URL	Download

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

WAGO 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.

With CODESYS Development System V3, you program according to the IEC 61131-3 standard. The software enables graphical and textual programming. Create visualizations with the integrated visualization editor.

You benefit from several WAGO libraries that support your application.

You can find it in our WAGO Download Center:

- CODESYS V3.5.x, 64-bit
- WAGO-Plugins
- WAGO libraries
- Device firmware
- Device description for WAGO controllers
- ...as well as other WAGO tools and add-ons

WAGO DSP for CODESYS V3

WAGO Device Support Package for CODESYS Development System V3 URL Download

Have you already installed CODESYS Development System V3 (min. V3.5.17.3) and only need WAGO libraries and device descriptions for the WAGO controllers? Then you've come to the right place!

Use your CODESYS Development System V3 and expand it with the device descriptions of the WAGO controllers and several WAGO libraries.

You can find it in our WAGO Download Center:

- WAGO-Plugins
- WAGO libraries
- Device firmware
- Device descriptions for WAGO controllers
- ...sowie weitere WAGO-Tools und Add-ons

Runtime Software

GitHub: Linux® Toolchain

GitHub: Linux® Software Development Kit (SDK) URL Download

With the PFC SDK, WAGO offers Linux® enthusiasts the opportunity to compile the PFC firmware themselves, and to expand it according to their own wishes.

The WAGO PFC SDK includes a Pengutronix build environment, optimized for the PFC, and the OSELAS Toolchain, which open up the following possibilities, among others:

- Expanding the firmware functions using open source packages like: Python, SQLite3, PHP, etc.
- Compiling their own C/C++ applications with direct or indirect bus access to the local bus, CANopen, or PROFIBUS.

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

WAGO 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.

- Compiling external libraries using CODESYS V2 to expand the PLC applications.
- There are detailed instructions for many of these tasks and ideas (see WAGO GitHub HowTo's).

Firmware

PFC200, Firmware Update für CoDeSys V3.5 WAGO_FW0750-821x_V040110_FW23	V 23 2023 Feb 24	zip 172.0 MB	Download
Image Update (SD Karte) PFC100/200 WAGO_FW0750-8xxx_V031010_IX22_SP1_I	V 22 SP1 2022 Dec 12	zip 210.8 MB	Download
WUP Update (WAGOuploadTool) PFC100/200 WAGO_FW0750-8xxx_V031010_IX22_SP1_W	V 22 SP1 2022 Dec 12	zip 208.5 MB	Download

Software Solutions (Applications)

Energy data management

Energy Data Management Application With our energy data management, EDM, solution, you can record and visualize your measurement data of different media and parameters in no time. Continuous collection and monitoring provide the basis for the resource-efficient energy usage – the environment will thank you and your operating costs will be minimized. And by the way, the normative conformity according to DIN EN 50001 for the energetic evaluation is part of the package.	2.4.1 2023 May 23	zip 596.0 MB	Download

Application-Based Controller Redundancy

Application-Based Controller Redundancy Increase availability in central ship alarm systems with WAGO's Application-Based Controller Redundancy (ACR). The licensed software library (2759-0245/0211-1000) and an *e!COCKPIT* redundancy framework (LINK) allows you to easily program and operate redundant master PLCs in single point of failure (SPOF) tolerant systems. A large number of the available 750 Series I/O Modules can be integrated into the system via Smart Couplers. These decentralized PLCs automatically recognize the input and output modules, which makes commissioning easy. The redundant communication of the two Master PLCs and the Smart Couplers is performed either via two separate networks (Dual-LAN) or a ring topology. These Master PLCs (2nd generation PFC200) communicate with higher-level SCADA systems, for example, via the Modbus TCP protocol. The application notes (a2020003 and a2020004) describe the practical use of the library and define the application area and the maximum number of participants within the system.	2023-05-02 2023 May 2	zip 816.5 MB	Download

Weather-Station

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

WAGO 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.

Weather Station Application WAGO Weather Station makes all the relevant sensor data, such as temperature, precipitation, wind speed and light intensity, available for further processing and display in a visualization or a management system. Weather sensors from different manufacturers can be recorded on digital inputs and analog inputs and via RS-485. It provides central functions like weather protection, automated glare protection and timer programs. The slat tracking based on the position of the sun ensures that the maximum amount of daylight is allowed into rooms while avoiding glare. Shading correction also optimizes the supply of sunlight. It takes the shading caused by surrounding buildings into account according to an existing shading analysis for the specific property.	2.3.0 2023 Feb 6	ZIP 150.0 MB	Download

Lighting management

Lighting Management Application WAGO Lighting Management is a highly sophisticated solution for lighting control in large spaces such as production facilities and warehouses. Using a combination of predefined hardware and user-friendly software, WAGO offers a lighting management system that facilitates the design and commissioning of new lighting systems while providing numerous additional advantages for their operation. This download always provides you with the latest version of WAGO Lighting Management that we strongly recommend for new installations. When upgrading existing installations that use older versions (V1.x), we recommend that you keep using V1.2. If you have any questions, please contact WAGO Support.	2.1.2 2023 Jan 12	zip 126.8 MB	Download

WAGO Application Grid Gateway

WAGO Application Grid Gateway WAGO Application Grid Gateway supports power distribution grid operators in assessing grid performance. This application allows grid operators to use their existing distribution grid more efficiently, while avoiding unnecessary grid expansion. The measurement technology required in the substations for both the transformer and low-voltage outputs can be easily retrofitted. The application can be used for a 30-day trial period at no cost, after which a license for the specific controller is required. The license can be separately purchased under Item Number 2759-2015/0261-1000.	1.0.1 2021 Jun 1	zip 512.2 MB	Download

Building Control

Application Building Control WAGO's Building Control application is a pre-programmed software solution for building automation applications. Its main functions include HVAC control, lighting control and comprehensive energy data management; however, it also allows implementation of arbitrary control loops or logical functions. Its high degree of flexibility and scalability allow it to adapt to different demands. Commissioning is performed through a configuration interface, following the design principle of "configuration instead of programming." A Web-based visualization for display and operation of systems is also available. It is also possible to connect to cloud systems for access to the data from anywhere in the world..	1.1.2 2022 Dec 9	zip 130.1 MB	Download

Room Automation

Application ***flex***ROOM®	3.5.0 2023 Apr 20	zip 115.5 MB	Download

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

WAGO 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.

flexROOM® is our scalable room automation solution and is especially appropriate for medium-sized and large office and administrative buildings – whether for new construction or modernizing energy systems.

All the relevant room functions of the building systems for lighting, sun protection and room climate control are covered. Thus ***flex***ROOM® provides the basis for achieving energy efficiency class A per EN 15232 and supports the certification of your building as a sustainable green building, e.g., per national and international system like DGNB or LEED.

IoT/ Cloud

"Remote Access" Beta Software

"Remote Access" Beta Software Register for the beta version of "Remote Access" for the WAGO Cloud.	V 0.12.0.0 2020 Dec 6	ZIP 2.1 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 750-8212		URL	Download

CAE data

ZUKEN Portal 750-8212		URL	Download
EPLAN Data Portal 750-8212		URL	Download

Device Files

Device Driver

KNX Interface Lighting Management KNX interface description for ETS	2018 Jan 29	zip 2.1 kB	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-8212 Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485		URL	Download

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

Installation Notes

Product family

Controller 750
Show all products from the family

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

WAGO 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.