

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

## PFC200 Communication Options Overview

		On Board		Product extensions													
	CPU																
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	M	M	M	M	M	M	M	M	M	Description	Item No. Standard	Ext. Temperature	
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8210	750-8210025-000
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8211	
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8212	750-8212005-000
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8213	750-8213001-001
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8212002-002	
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8212000-100	
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8213	
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8214	
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8215	
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8216	750-8216005-000
	Corex AB: 1Ghz	MS	MS	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	x	x	x	x	x	x	x	x	x*	x*	x*	750-8217	750-8217025-000
	Corex AB: 600 Mhz	S	S	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	M	M	M	M	M	M	M	M	x*	x*	x*	750-8217600-000	750-8217625-000
	Corex AB: 600 Mhz	S	S	Modbus/TCP, Modbus UDP/RTU EtherCAT® PROFINET PROFIBUS CANopen BACnetIP	M	M	M	M	M	M	M	M	x*	x*	x*	750-8218	750-8218025-000

M: Master; S: Slave; \*requires an additional license; \*\*in preparation; \*\*\*WagoAppPicModbus Library

## Item description

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

Four 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 *e!COCKPIT* with FW22
  - Direct connection of WAGO's I/O modules

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

- 4 x ETHERNET (configurable), CAN, CANopen, PROFINET I-Device
- Linux® operating system with RT-Preempt patch
- Configuration via **e!COCKPIT** or Web-Based Management interface
- Maintenance-free

## Data

### Technical data

Communication	PROFINET RT CANopen Modbus TCP master/slave Modbus (UDP), 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 Telecontrol protocols, <b>requires an additional license</b>
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)
Programming environment	CODESYS V3.5, from firmware release 23 <b>e!COCKPIT</b> (based on CODESYS V3), up to firmware release 22

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Configuration options	CODESYS V3 <i>e!COCKPIT</i> WAGO-I/O-CHECK Web-Based Management <i>e!RUNTIME</i> 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	32 MB
Data memory	128 MB
Non-volatile software memory	128. Kbytes
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO 758-879/000-001 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 V3: 32000 words/32000 words
Input and output process image (CAN) max.	2000 words/2000 words
Device-specific	PROFINET IO features: PROFINET IO V2.3; Media redundancy (MRP); Shared device
Indicators	LED (SYS; RUN; I/O; CAN; BF; DIA; U1 ... U4) red/green/orange: status system; program; local bus; CANopen; PROFINET; PROFINET diagnostics; status programmable by user (can be used via CODESYS library); LED (A, B) green: system power supply status; 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
Isolation	500 V system/field

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

## Connection data

Connection technology: communication/fieldbus	PROFINET: 2 x RJ-45; CANopen: 1 x D-sub 9 plug; Modbus (TCP, UDP): 2 x RJ-45
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	112 mm / 4.409 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	255.6 g
Housing material	Polycarbonate; polyamide 6.6

## 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
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 61000-6-4, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43

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Fire load	2.9 MJ
Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %	25 ppm

## Commercial data

ETIM 8.0	EC000236
ETIM 7.0	EC000236
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143852883
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) 7(c)-I 7(c)-II
SCIP notification number (Austria)	3a024ef7-4747-4f4a-a0e0-11646ba5e61d
SCIP notification number (Belgium)	7c661e1e-3eca-48d5-b0ec-60165260dbc1
SCIP notification number (Bulgaria)	5962a30c-c1bb-4429-a8d7-90da4b9eba51
SCIP notification number (Czech Republic)	637a72ce-699d-4bdd-a720-4f6804a8ae75
SCIP notification number (Denmark)	963479df-308d-4e27-82b0-20dcf921eb7c
SCIP notification number (Finland)	9f270574-4bea-418a-8ada-f184077acc02

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SCIP notification number (France)	2db3caa3-954e-405f-9a82-6a00a3921cc5
SCIP notification number (Germany)	a033c912-16a4-4ba3-914a-8f8321736161
SCIP notification number (Hungary)	f6a8db04-9534-4dfa-9fcb-f52b884b83ef
SCIP notification number (Italy)	9a78118b-2a7b-481b-b0f9-983bd3a5282c
SCIP notification number (Netherlands)	151044e7-9fa9-4b9c-a2da-87c82e092776
SCIP notification number (Poland)	1bf674f4-0ed2-484a-8cd6-799e46d6da78
SCIP notification number (Romania)	7da92360-b1d9-4cae-9d7e-94a36cf98233
SCIP notification number (Sweden)	9971c089-55ec-4cec-8894-82e75e8b0eb7

## 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	-	-

### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1104

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	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
<hr/>			
<b>Approvals for hazardous areas</b>			
	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
	UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WAGO22UKEX003X_ec
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

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## Optional accessories

### Marking accessories

#### Marker carrier

	<b>Item no.: 750-103</b> Group marker carrier	<a href="http://www.wago.com/750-103">www.wago.com/750-103</a>
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#### Marker

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

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	<b>Item no.: 248-501/000-002</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	<a href="http://www.wago.com/248-501/000-002">www.wago.com/248-501/000-002</a>
	<b>Item no.: 248-501/000-012</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	<a href="http://www.wago.com/248-501/000-012">www.wago.com/248-501/000-012</a>
	<b>Item no.: 248-501</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/248-501">www.wago.com/248-501</a>
	<b>Item no.: 248-501/000-017</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green	<a href="http://www.wago.com/248-501/000-017">www.wago.com/248-501/000-017</a>
	<b>Item no.: 248-501/000-005</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	<a href="http://www.wago.com/248-501/000-005">www.wago.com/248-501/000-005</a>
	<b>Item no.: 248-501/000-024</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet	<a href="http://www.wago.com/248-501/000-024">www.wago.com/248-501/000-024</a>
	<b>Item no.: 248-501/000-023</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green	<a href="http://www.wago.com/248-501/000-023">www.wago.com/248-501/000-023</a>
<b>Group marker carrier</b>		
	<b>Item no.: 750-107</b> Group marker carrier	<a href="http://www.wago.com/750-107">www.wago.com/750-107</a>
<b>Communication</b>		
Communication cable		
	<b>Item no.: 750-923</b> Configuration cable; USB connector; Length: 2.5 m	<a href="http://www.wago.com/750-923">www.wago.com/750-923</a>
	<b>Item no.: 750-923/000-001</b> Configuration cable; USB connector; Length: 5 m	<a href="http://www.wago.com/750-923/000-001">www.wago.com/750-923/000-001</a>
<b>Memory card</b>		
Memory card		
	<b>Item no.: 758-879/000-001</b> Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C	<a href="http://www.wago.com/758-879/000-001">www.wago.com/758-879/000-001</a>

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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](http://www.wago.com/758-879/000-2108)**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](http://www.wago.com/850-814/002-000)**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](http://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](http://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](http://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](http://www.wago.com/850-825)**Item no.: 850-826**

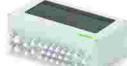
IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

[www.wago.com/850-826](http://www.wago.com/850-826)**Item no.: 850-827**

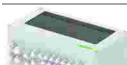
IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

[www.wago.com/850-827](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/850-834)**Item no.: 850-835**

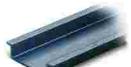
Subject to changes. Please also observe the further product documentation!

	IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip	<a href="http://www.wago.com/850-835">www.wago.com/850-835</a>
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	Item no.: 850-836 IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip	<a href="http://www.wago.com/850-836">www.wago.com/850-836</a>
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**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	<a href="http://www.wago.com/210-197">www.wago.com/210-197</a>
	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	<a href="http://www.wago.com/210-198">www.wago.com/210-198</a>
	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	<a href="http://www.wago.com/210-504">www.wago.com/210-504</a>
	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	<a href="http://www.wago.com/210-505">www.wago.com/210-505</a>
	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	<a href="http://www.wago.com/210-506">www.wago.com/210-506</a>
	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	<a href="http://www.wago.com/210-508">www.wago.com/210-508</a>
	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	<a href="http://www.wago.com/210-113">www.wago.com/210-113</a>
	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	<a href="http://www.wago.com/210-118">www.wago.com/210-118</a>
	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	<a href="http://www.wago.com/210-112">www.wago.com/210-112</a>
	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	<a href="http://www.wago.com/210-114">www.wago.com/210-114</a>
	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	<a href="http://www.wago.com/210-115">www.wago.com/210-115</a>
	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	<a href="http://www.wago.com/210-196">www.wago.com/210-196</a>

**Software**

## Basic version

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



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

[www.wago.com/2759-101/1110-2005](http://www.wago.com/2759-101/1110-2005)



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

[www.wago.com/2759-101/1110-2002](http://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](http://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](http://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](http://www.wago.com/2759-101/1110-2010)



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

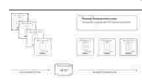
[www.wago.com/2759-101/1110-3000](http://www.wago.com/2759-101/1110-3000)



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

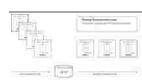
[www.wago.com/2759-101/1110-4000](http://www.wago.com/2759-101/1110-4000)

## Software applications



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

[www.wago.com/2759-120/1121-1000](http://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](http://www.wago.com/2759-208/211-1000)



**Item no.: 2759-245/211-1000**  
Library Controller Redundancy Master; Single License; Online activation

[www.wago.com/2759-245/211-1000](http://www.wago.com/2759-245/211-1000)

## 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](http://www.wago.com/790-116)



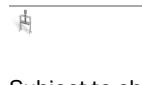
**Item no.: 790-124**  
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm

[www.wago.com/790-124](http://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](http://www.wago.com/790-108)



**Item no.: 790-140**

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

Shield clamping saddle; diameter of compatible conductor

[www.wago.com/790-140](http://www.wago.com/790-140)**Item no.: 790-216**

Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm

[www.wago.com/790-216](http://www.wago.com/790-216)**Item no.: 790-220**

Shield clamping saddle; 30 mm wide; 6 ... 20 mm

[www.wago.com/790-220](http://www.wago.com/790-220)**Item no.: 790-208**

Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm

[www.wago.com/790-208](http://www.wago.com/790-208)**Cables and pluggable connectors**

Connector plug

**Item no.: 750-963**

Fieldbus Connector CANopen; with D-sub female connector; 9-pole

[www.wago.com/750-963](http://www.wago.com/750-963)**Item no.: 750-975**

ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

[www.wago.com/750-975](http://www.wago.com/750-975)**Item no.: 750-976**

PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

[www.wago.com/750-976](http://www.wago.com/750-976)**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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/750-979/000-011)**Item no.: 750-979/000-013**

Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief

[www.wago.com/750-979  
/000-013](http://www.wago.com/750-979/000-013)

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

	<b>Item no.: 750-979/000-021</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	<a href="http://www.wago.com/750-979/000-021">www.wago.com/750-979/000-021</a>
	<b>Item no.: 750-977/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	<a href="http://www.wago.com/750-977/000-011">www.wago.com/750-977/000-011</a>
	<b>Item no.: 750-978/000-013</b> Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief	<a href="http://www.wago.com/750-978/000-013">www.wago.com/750-978/000-013</a>
	<b>Item no.: 750-978/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief	<a href="http://www.wago.com/750-978/000-011">www.wago.com/750-978/000-011</a>
	<b>Item no.: 750-977/000-022</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	<a href="http://www.wago.com/750-977/000-022">www.wago.com/750-977/000-022</a>
	<b>Item no.: 750-977/000-012</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	<a href="http://www.wago.com/750-977/000-012">www.wago.com/750-977/000-012</a>
	<b>Item no.: 750-977/000-013</b> Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22	<a href="http://www.wago.com/750-977/000-013">www.wago.com/750-977/000-013</a>
	<b>Item no.: 750-977/000-021</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24	<a href="http://www.wago.com/750-977/000-021">www.wago.com/750-977/000-021</a>

## 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	<a href="#">Download</a>
Migration Guide Migration from e!COCKPIT projects to CODESYS V3.5	V 1.2.0 2023 Apr 13	pdf 4.5 MB	<a href="#">Download</a>
Product Manual PFC200; G2; 4ETH CAN USB Controller PFC200; 2nd Generation; 4 x ETHERNET, CAN, CANopen, USB-A	1.10.0 2023 Mar 31	pdf 4.5 MB	<a href="#">Download</a>
Product Manual OPC UA Mapping Editor	V 1.1.0 2022 Mar 11	pdf 3.4 MB	<a href="#">Download</a>

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

OPC_UA Mapping Editor	<a href="#">URL</a>	<a href="#">Download</a>
Online Help HTML		
System Manual Series 750/753	<a href="#">URL</a>	<a href="#">Download</a>
Online HTML		
Migration Guide from e!COCKPIT projects to CODESYS V3.5	<a href="#">URL</a>	<a href="#">Download</a>
Online Help (HTML)		
<b>Bid Text</b>		
750-8215	2019 Mar 8	docx 21.1 kB
docx - Datei		<a href="#">Download</a>
750-8215	2019 Mar 8	xml 7.6 kB
X81 - Datei		<a href="#">Download</a>
<b>Instruction Leaflet</b>		
CCC Ex (Additional information)	2023 Apr 26	pdf 163.6 kB
WAGO-I/O-SYSTEM *750-****/*		<a href="#">Download</a>
<b>Tutorial</b>		
Set IP address with Ethernet Settings	3.0	mp4 88.3 MB
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	2017 Dec 18	<a href="#">Download</a>
Establish connection to a controller using SSH	1.0	mp4 29.0 MB
In this video we are demonstrating how to establish a SSH connection 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	2017 Aug 5	<a href="#">Download</a>
<b>Additional Information</b>		
Disposal and Recycling	V 1.1.0	pdf 2.2 MB
Electrical and electronic equipment, Batteries, Packaging	2022 Aug 18	<a href="#">Download</a>
WAGO OPC UA Server	V 1.1.0	pdf 1.2 MB
	2021 Jan 28	<a href="#">Download</a>
<b>System Description</b>		

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

Controller PFC100/200, General Product Information	pdf 592.5 kB	<a href="#">Download</a>
Overview on WAGO-I/O-SYSTEM 750 approvals	pdf 789.0 kB	<a href="#">Download</a>

## Application Notes

### Application Note CoDeSys 2.3

Application Note Data Plotter	2023-06-01 2023 Jun 1	zip 6.7 MB	<a href="#">Download</a>
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).			

Application note for installing a MySQL-Server on a PFC-Controller	1.0.4 2019 May 16	zip 4.5 MB	<a href="#">Download</a>
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.			

HART Tool Routing via PROFIBUS with 750-833 and 750-333 (a116140)	1.0.0 2019 Mar 22	pdf 5.3 MB	<a href="#">Download</a>
This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. Using the Cerabar PMC51 (Endress+Hauser) as an example, connecting any HART sensor to a WAGO PROFIBUS controller and a WAGO PROFIBUS Coupler is explained. The cyclic PROFIBUS Master (750-8208) realizes the data exchange. As an acyclic master, a TH LINK PROFIBUS provides access for the plant asset management applications WAGOframe, PACTware and FieldCare.			

### Application Note e!COCKPIT

Application Note Data Plotter	2023-06-01 2023 Jun 1	zip 6.7 MB	<a href="#">Download</a>
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).			

e!COCKPIT application note WagoAppCloud	2022-11-04 2022 Nov 4	zip 2.7 MB	<a href="#">Download</a>
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.			

SNMP Communication (a500850)	1.1.0 2020 Feb 20	zip 3.8 MB	<a href="#">Download</a>
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Subject to changes. Please also observe the further product documentation!

This application note explains how the WAGO controllers PFC100 and PFC200 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.

eCOCKPIT application note installation MySQL-Server	1.0.3	pdf	<a href="#">Download</a>
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)	1.0.0	pdf	<a href="#">Download</a>
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.	2019 Mar 22	2.9 MB	

## Libraries

Library WagoLibCloud_02.lib	2.2.4	zip	<a href="#">Download</a>
Die Bibliothek dient zur Kommunikation des WAGO Controller PFC100 und PFC200 mit Cloud Diensten wie Microsoft Azure (WAGO Cloud), Amazon AWS und IBM Bluemix. Daten können zur Cloud gesendet und Kommandos von der Cloud empfangen werden.	2020 Jan 21	57.6 kB	

## Engineering-Software

e!COCKPIT	1.11.2.0	zip	<a href="#">Download</a>
Register at no cost and test our engineering software for 30 days.	2023 Apr 24	4.1 GB	

## Desktop Application

WAGOupload	URL	<a href="#">Download</a>
WAGOupload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers.		

## CODESYS V3 with WAGO DSP

CODESYS Development System V3 including WAGO Device Support Package	URL	<a href="#">Download</a>
Have you not yet installed CODESYS Development System V3? Would you like to program WAGO controllers? Then you've come to the right place! Subject to changes. Please also observe the further product documentation!		

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

## Configuration and Commissioning Software

(759-316) WAGO Ethernet Settings / Serie 750

06.18.01.01

[zip](#) [Download](#)

2023 Feb 28

27.3 MB

## 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:

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

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Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

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

- 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.
- 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	<a href="#">Download</a>
Image Update (SD Karte) PFC100/200 WAGO_FW0750-8xxx_V031010_Ix22_SP1_I	V 22 SP1 2022 Dec 12	zip 210.8 MB	<a href="#">Download</a>
WUP Update (WAGOuploadTool) PFC100/200 WAGO_FW0750-8xxx_V031010_Ix22_SP1_W	V 22 SP1 2022 Dec 12	zip 208.5 MB	<a href="#">Download</a>

## CAD/CAE-Data

### CAD data

2D/3D Models 750-8215	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

EPLAN Data Portal 750-8215	<a href="#">URL</a>	<a href="#">Download</a>
ZUKEN Portal 750-8215	<a href="#">URL</a>	<a href="#">Download</a>

## Device Files

### Device Description File

750-914; EDS file for CANopen / 750, 752 and 767 Series	XT 2021 Mar 12	zip 1.8 MB	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

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

Environmental Product Compliance 750-8215

URL

Download

Controller PFC200; 2nd Generation; 4 x ETHERNET, CAN, CANopen, USB-A

## Installation Notes

### Product family

#### Controller PFC

<div>Die Steuerungen der Serie PFC200 stehen für vielfältige Aufgaben in der Industrie- Prozess- und Gebäudeautomation.</div>

[Show all products from the family](#)

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

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Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

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