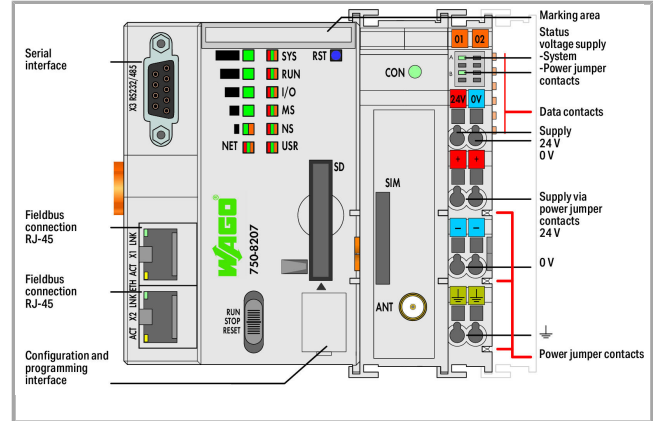
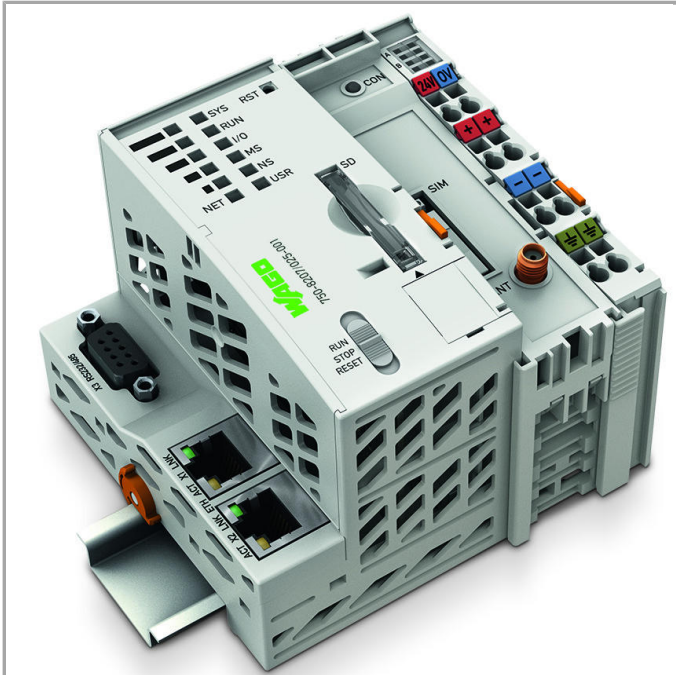


Data sheet | Item number: 750-8207/025-000

Controller PFC200; 2 x ETHERNET, RS-232/-485, Mobile Radio Module; Ext. Temperature



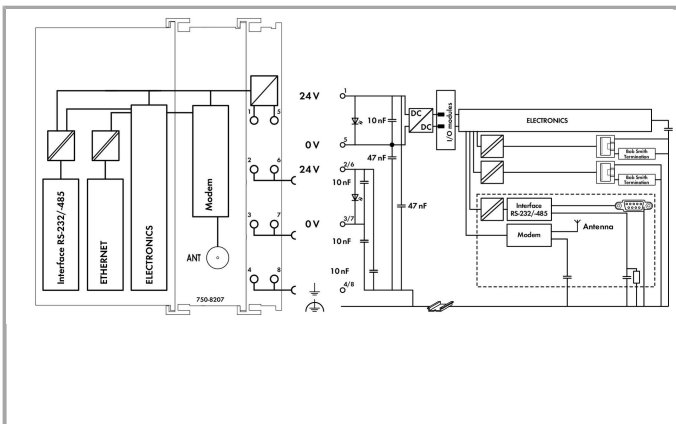
750-8207/025-000

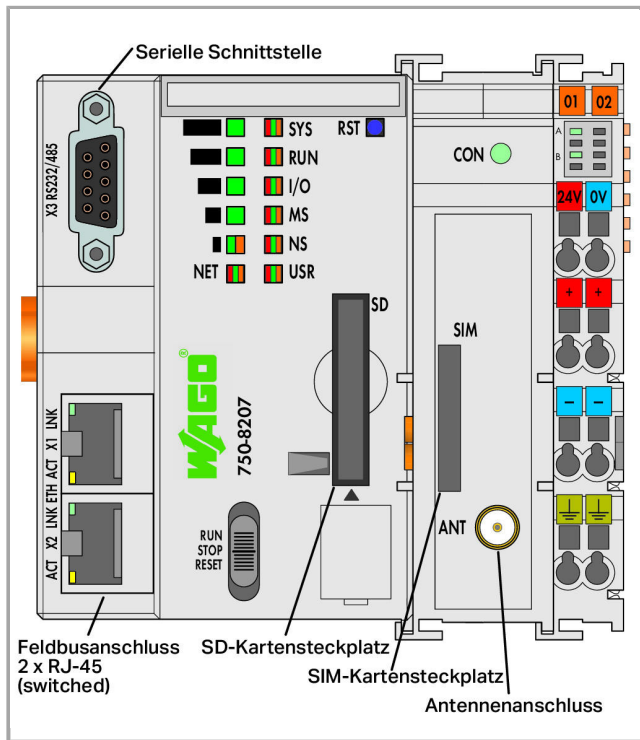


RoHS  Compliant

BOMcheck.net

Color:





## 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 I/O modules found within the 750/753 Series.

Two ETHERNET interfaces and an integrated switch enable line topology wiring. The controller's mobile radio module sends and receives SMS and provides wireless Internet connectivity.

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

Besides standard machinery and equipment control, as well as building automation, typical applications for the PFC200 include decentralized data logging for the process industry.

Programming per IEC 61131-3

- Programmable via WAGO-I/O-PRO V2.3 or e!COCKPIT
- Direct connection of WAGO I/O modules
- 2 x ETHERNET (configurable), RS-232/-485
- Linux operating system with RT-Preempt patch
- Configuration via CODESYS, e!COCKPIT or Web-Based Management user interface
- Maintenance-free

## Data

### Technical Data

Communication

Modbus (TCP, UDP)  
Ethernet  
Modbus RTU



	RS-232 serial interface RS-485 interface EtherNet/IP-Adapter (Slave), Bibliothek für e!RUNTIME MQTT
Ethernet protocol	DHCP DNS NTP FTP FTPS SNMP HTTP HTTPS SSH
Visualization	Web-Visu
Operating system	Real-time Linux (with RT-Preempt patch)
CPU	Cortex A8, 600 MHz
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	e!COCKPIT (based on CODESYS V3) WAGO-I/O-PRO V2.3 (based on CODESYS V2.3)
Configuration options	e!COCKPIT WAGO-I/O-CHECK Web-based management
Security encryption	OpenVPN, IPsec, firewall
Services	SMS (bidirectional) GPRS connection to Internet
Wireless technology	GSM/Edge/UMTS/HSPA+
Frequency band	GSM quad-band
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; Line length (max.): 100 m
Main memory (RAM)	256 MB
Internal memory (flash)	256 MB
Hardware non-volatile memory	128 Kbytes
Program memory	CODESYS V2: 16 MB; e!RUNTIME: 60 MB (Program and data memory (dynamically distributed))
Data memory	CODESYS V2: 64 MB; e!RUNTIME: 60 MB Program and data memory (dynamically distributed)
Software non-volatile memory	128 Kbytes
Type of memory card	SD and SDHC up to 32 GB (All guaranteed properties are only valid in connection with the WAGO 758-879/000-001 memory card.)
Memory card slot	Push-push mechanism, sealable cover lid
SIM-Kartentyp	Mini-SIM



SIM card slot	Push/Push-Mechanismus
Number of modules per node max.	250
Number of I/O modules without bus extension max.	64
Input and output process image (internal) max.	1000 Worte/1000 Worte
Input and output process image (MODBUS) max.	1000 Worte/1000 Worte
Indicators	LED (SYS, RUN, I/O, USR, S1–S5, NET) red/green/orange: System status, program, internal data bus, status programmable by user (can be used via CODESYS library); signal strength S1–S5, network status; LED (CON, A, B) green: Mobile network status, system power supply status, field supply status.
System supply voltage	DC 24 V(-25 ... +30 %); via wiring level (CAGE CLAMP® connection)
Input current typ. at rated load (24 V)	550 mA
Total current for system supply	700 mA
Field supply voltage	DC 24 V (-25 ... +30 %); via power jumper contacts
Current carrying capacity of the power jumper contacts	10 A
Number of outgoing power jumper contacts	3
Isolation	500 V system/supply

## 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; Telecontrol protocols: x ; Telecontrol protocol IEC 60870-5-104: x RJ-45; Telecontrol protocol DNP3: x RJ-45 or 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 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Connection technology: Antenna	1 x SMA socket
Connection technology: Device configuration	1 x 4-pole male connector

## Geometrical Data

Width	102.5 mm / 4.035 inch
Height	71.9 mm / 2.831 inch
Height from upper-edge of DIN-35 rail	64.7 mm / 2.547 inch
Depth	100 mm / 3.937 inch

## Mechanical data

Weight	288 g
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Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Conformity marking	1

## Environmental Requirements


Surrounding air (operating) temperature	-20 ... 60 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Protection class	IP20
Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); max.: 5000 m
Relative air humidity (no condensation)	95 %
Relative humidity	Short-term condensation per Class 3K6/IEC EN 60721-3-3 and E DIN 40046-721-3, taking a temperature range of -20 ... +60 °C into consideration (except wind-driven precipitation, water and ice formation)
Mounting position	any
Type of mounting	DIN-35 rail
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Fire load	1.022 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


Country of origin	DE
GTIN	4055143349741
Customs Tariff No.	85371091990

## Approvals / Certificates


### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	ANSI/ISA 12.12.01	E198726 Sec.1

### Country specific Approvals








Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-PFC750

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec10

### Compatible products

#### shield connection

	<b>Item no.: 790-108</b> Shield clamping saddle; 11 mm wide; diameter of compatible conductor	790-108
	<b>Item no.: 790-116</b> Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm	790-116
	<b>Item no.: 790-124</b> Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm	790-124
	<b>Item no.: 790-140</b> Shield clamping saddle; diameter of compatible conductor	790-140
	<b>Item no.: 790-208</b> Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm	790-208
	<b>Item no.: 790-216</b> Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm	790-216
	<b>Item no.: 790-220</b> Shield clamping saddle; 30 mm wide; 6 ... 20 mm	790-220

#### General accessories

	<b>Item no.: 750-921</b> Bluetooth® Adapter	750-921
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**Item no.: 750-923**  
Configuration cable; USB connector; Length: 2.5 m

750-923



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

750-923

/000-001



**Item no.: 758-961**  
Self-adhesive antenna; with 2.5m cable and SMA straight plug; GSM/UMTS/LTE/Bluetooth®/WLAN; 699-960, 1710-2690 MHz

758-961



**Item no.: 758-962**  
Theft-proof antenna; with 1m cable and SMA straight plug; GSM/ UMTS/ BT/ WLAN; 850/ 900/ 1800/ 1900/ 2100/ 2400 MHz

758-962



**Item no.: 758-963**  
Rod antenna; with 1m cable and SMA straight plug; GSM UMTS; 850/ 900/ 1800/ 1900/ 2100 MHz

758-963



**Item no.: 758-965**  
Magnetic foot antenna; with 2.5m cable and SMA straight plug; GSM UMTS; 850/ 900/ 1800/ 1900/ 2100 MHz

758-965



**Item no.: 758-966**  
Theft-proof combination antenna; with 2.5m cable and SMA straight plug; GSM UMTS; 850/ 900/ 1800/ 1900/ 2100 MHz

758-966

## system box



**Item no.: 850-804**  
IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip

850-804



**Item no.: 850-804/000-001**  
IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip

850-804

/000-001



**Item no.: 850-805**  
IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip

850-805



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

850-814

/002-000



**Item no.: 850-815/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

850-815

/002-000



**Item no.: 850-816/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate

850-816

/002-000



**Item no.: 850-817/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

850-817

/002-000



**Item no.: 850-825**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

850-825

**Item no.: 850-826**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable

850-826



grip

**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

/002-000

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

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

/002-000

850-827

**Item no.: 850-828**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

850-828

**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

/002-000

850-828

**Item no.: 850-834**

IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

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

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

850-836

**wiring and connectors****Item no.: 750-975**

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

750-975

**Item no.: 750-977/000-011**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22

/000-011

750-977

**Item no.: 750-977/000-012**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22

/000-012

750-977

**Item no.: 750-977/000-021**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24

/000-021

750-977

**Item no.: 750-977/000-022**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24

/000-022

750-977

**Item no.: 750-978/000-011**

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief

/000-011















750-978


















**Item no.: 750-978/000-012**
















Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief

/000-012

750-978

	<b>Item no.: 750-978/000-021</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief	750-978 /000-021
	<b>Item no.: 750-978/000-022</b> Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief	750-978 /000-022
	<b>Item no.: 750-979/000-011</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief	750-979 /000-011
	<b>Item no.: 750-979/000-012</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	750-979 /000-012
	<b>Item no.: 750-979/000-021</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	750-979 /000-021
	<b>Item no.: 750-979/000-022</b> Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief	750-979 /000-022
<b>software</b>		
	<b>Item no.: 2759-101/1110-2002</b> e!COCKPIT; Workstation License	2759-101 /1110-2002
	<b>Item no.: 2759-101/1110-2005</b> e!COCKPIT; Multi-User License; 05 pcs	2759-101 /1110-2005
	<b>Item no.: 2759-101/1110-2010</b> e!COCKPIT; Multi-User License; 10 pcs	2759-101 /1110-2010
	<b>Item no.: 2759-101/1110-2015</b> e!COCKPIT; Multi-User License; 15 pcs	2759-101 /1110-2015
	<b>Item no.: 2759-101/1110-2020</b> e!COCKPIT; Multi-User License; 20 pcs	2759-101 /1110-2020
	<b>Item no.: 2759-101/1110-3000</b> e!COCKPIT; Site License	2759-101 /1110-3000
	<b>Item no.: 2759-101/1110-4000</b> e!COCKPIT; Buy-out License	2759-101 /1110-4000
	<b>Item no.: 759-333</b> WAGO-I/O-PRO	759-333

	<b>Item no.: 759-333/000-923</b> WAGO-I/O-PRO; USB-Set	759-333 /000-923
	<b>Item no.: 759-911</b> WAGO-I/O-PRO; CD	759-911
<b>memory card</b>		
	<b>Item no.: 758-879/000-001</b> Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C	758-879 /000-001
<b>Carrier rail</b>		
	<b>Item no.: 210-112</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm	210-112
	<b>Item no.: 210-113</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715	210-113
	<b>Item no.: 210-114</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715	210-114
	<b>Item no.: 210-115</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm	210-115
	<b>Item no.: 210-118</b> Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	210-118
	<b>Item no.: 210-196</b> Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715	210-196
	<b>Item no.: 210-197</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	210-197
	<b>Item no.: 210-198</b> Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	210-198
	<b>Item no.: 210-504</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715	210-504
	<b>Item no.: 210-505</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715	210-505
	<b>Item no.: 210-506</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715	210-506
	<b>Item no.: 210-508</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715	210-508
<b>Marking accessories</b>		
	<b>Item no.: 2009-145</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	<b>Item no.: 2009-145/000-002</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-002

	<b>Item no.: 2009-145/000-005</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-005
	<b>Item no.: 2009-145/000-006</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-006
	<b>Item no.: 2009-145/000-007</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-007
	<b>Item no.: 2009-145/000-012</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-012
	<b>Item no.: 2009-145/000-023</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-023
	<b>Item no.: 2009-145/000-024</b> Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-024
	<b>Item no.: 248-501</b> Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	248-501
	<b>Item no.: 248-501/000-002</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-002
	<b>Item no.: 248-501/000-005</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-005
	<b>Item no.: 248-501/000-006</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-006
	<b>Item no.: 248-501/000-007</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-007
	<b>Item no.: 248-501/000-012</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-012
	<b>Item no.: 248-501/000-017</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-017
	<b>Item no.: 248-501/000-023</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-023
	<b>Item no.: 248-501/000-024</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-024



**Item no.: 750-103**  
Group marker carrier

750-103



**Item no.: 750-107**  
Group marker carrier

750-107

## Downloads

### Documentation

#### Manual

PFC200 CS 2ETH RS 3G PLC – PFC200 Controller	V 1.3.0	pdf 5.2 MB	Download
WAGO MODBUS Master Configurator for configuration of MODBUS networks in WAGO-I/O-PRO (CODESYS)	V 1.1.0	pdf 1.3 MB	Download
Cyber Security for Controller PFC100 / PFC200	V 1.2.0	pdf 8.3 MB	Download

#### Bid Text

750-8207/025-000		doc 36.9 kB	Download
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#### Tutorial

Establish connection to a controller using SSH 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	1.0 Aug 5, 2017	mp4 29.0 MB	Download
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 Dec 18, 2017	mp4 88.3 MB	Download

#### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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#### System Description

Controller PFC100/200, General Product Information		pdf 591.2 kB	Download
Design Notes Basic conditions and recommendations for higher operational safety	V 2.0.0	pdf 1.5 MB	Download

Overview on WAGO-I/O-SYSTEM 750 approvals

pdf  
780.2 kB

Download

## Application Notes

### Application Note e!COCKPIT

HART Toolrouting über Ethernet mit 750-820x und eRUNTIME (a116130) Der Anwendungshinweis beschreibt die Einrichtung von Asset-Management-Systemen, welche das einfache, effiziente und schnelle Konfigurieren von HART-Feldgeräten ermöglichen. Am Beispiel des Cerabar PMC51 (Endress+Hauser) erfolgt die Anbindung an die WAGO-ETHERNET-Controller 750-820x (e!RUNTIME). Hierbei wird das HART-Modul 750-482 und 750-484 genutzt. Zusätzlich wird die Konfiguration der Asset-Management-Software WAGOframe, PACTware und FieldCare beschrieben.	1.0.0 Mar 22, 2019	pdf 2.9 MB	Download
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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 libraries WagoLibCloud for WAGO-I/O-PRO V2.3 and WagoAppCloud for e!COCKPIT are used.	V 1.4.1 Apr 26, 2019	zip 4.5 MB	Download
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SNMP Communication (a500850) 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.	V1.1.0	zip 3.7 MB	Download
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### Application Note CoDeSys 2.3

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.	Sep 20, 2017	zip 4.1 MB	Download
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Application note WagoLibCloud 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.	V 1.4.0 Jul 31, 2018	zip 4.0 MB	Download
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HART-Tool-Routing über ETHERNET mit 750-820x/750-88x und CoDeSys 2.3 (a116120) Der Anwendungshinweis beschreibt die Einrichtung von Asset-Management-Systemen, welche das einfache, effiziente und schnelle Konfigurieren von HART-Feldgeräten ermöglichen. Am Beispiel des Cerabar PMC51 (Endress+Hauser) erfolgt die Anbindung an die WAGO-ETHERNET-Controller 750-820x/750-88x (CoDeSys 2.3). Hierbei wird das HART-Modul 750-482 und 750-484 genutzt. Zusätzlich wird die	1.0.0 Mar 22, 2019	pdf 3.9 MB	Download
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Konfiguration der Asset-Management-Software WAGOframe, PACTware und FieldCare beschrieben.

Using the web visualization with Java™ runtime environment (JRE, JVM) 7 update 51 (7u51) (a500690)	V1.2.3	zip 5.0 MB	Download
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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.

SNMP Communication (a500850)	V1.1.0	zip 3.7 MB	Download
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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.

## Libraries

### Library

Library WagoLibCloud.lib	V1.4.0	zip 100.3 kB	Download
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This library lets the WAGO controllers PFC100 and PFC200 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.

## Engineering-Software

### e!COCKPIT

e!COCKPIT	V 1.5.0	ZIP	Download
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Register at no cost and test our engineering software for 30 days.

Mar 11, 2019

2.7 GB

### Configuration and Commissioning Software

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

108.3 MB

## Runtime Software

### Linux® Toolchain

Linux® Board Support Package (BSP)	2018.2.8.FW(11)35	TXT	Download
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With the PFC BSP, WAGO offers Linux® enthusiasts the opportunity to compile the PFC firmware themselves, and to expand it according to their own wishes.

Aug 27, 2018

14.1 kB

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

### Firmware

Firmware: 750-8207/025-000 Controller PFC200; 2 x ETHERNET, RS-232/-485, Mobile Radio Module; Ext. Temperature	12 Mar 11, 2019	zip 44.3 MB	Download
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### IoT/ Cloud

#### Cloud Connectivity

Cloud Connectivity beta version Since January 2018, cloud connectivity has been a component of Firmware 11. Thus, all WAGO PFCs are inherently IoT-ready, so they can send data from the field level to the cloud via MQTT. Here, the data can be aggregated and used for analysis. New features are provided as beta versions. Register here at no cost to test the latest beta functions.	Jul 2, 2018	ZIP 5.7 MB	Download
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#### "Remote Access" Beta Software

"Remote Access" Beta Software Register for the beta version of "Remote Access" for the WAGO Cloud.	V 0.9 Mar 26, 2019	ZIP 1.3 MB	Download
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### CAD/CAE - Smart Data

#### CAD data

3D Download 750-8207/025-000		URL	Download
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### Product family

**Controller 750**  
[Learn more about the product family.](#)

[Show all products from the family](#)



Subject to changes.

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