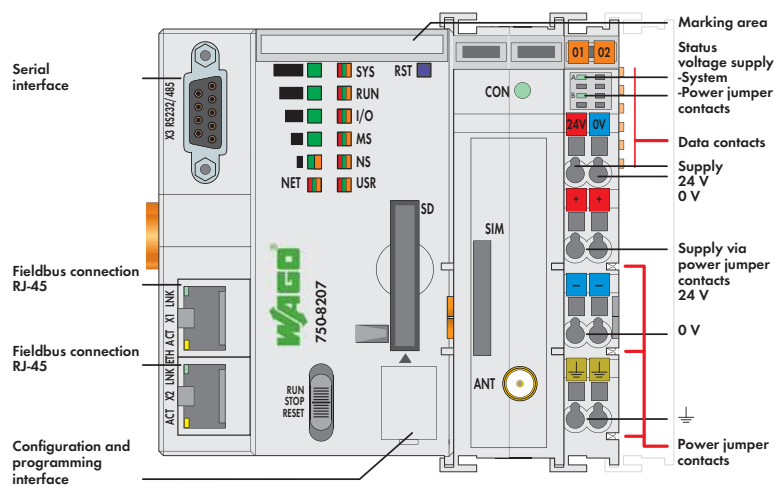




The PFC200 Controller is a compact PLC for the modular WAGO-I/O-SYSTEM. In addition to providing commonly used network and fieldbus interfaces, the controller supports all digital, analog and specialty I/O modules in the 750/753 Series.

Two ETHERNET interfaces and an integrated switch enable line topology wiring – no extra-cost hardware is needed.

The controller's mobile radio module sends and receives SMS while providing wireless Internet connectivity.

An integrated Webserver provides user configuration options and displays PFC200 status information.

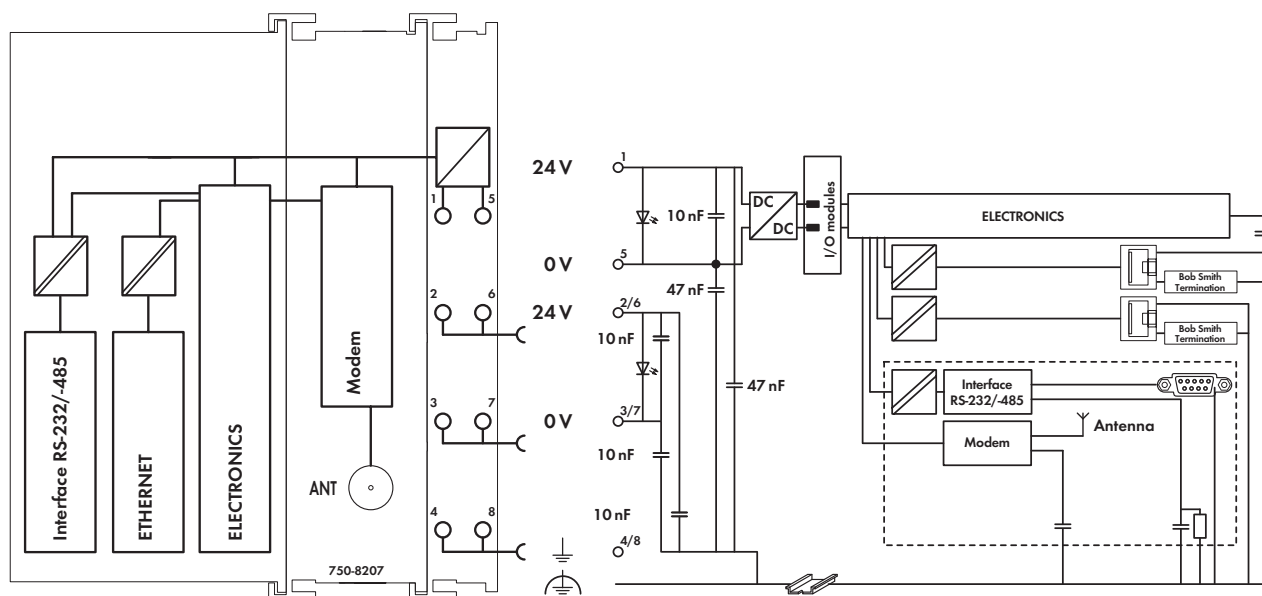
Besides standard machinery and equipment control, as well as building automation, typical applications for the PFC200 include decentralized data logging for the process industry.

The controller's programming complies with IEC 61131-3.

- Programmable via WAGO I/O-PRO V2.3
- Direct connection of WAGO I/O modules
- 2 x ETHERNET (configurable), RS-232/-485
- Linux operating system with RT-Preemption patch
- Configuration via CODESYS, e!COCKPIT (750-8207, 750-8207/025-000) or Web-Based Management user interface
- Maintenance-free

Description	Item No.	Pack. Unit
PFC200 CS 2ETH RS 3G	750-8207	1
PFC200 CS 2ETH RS 3G/T	750-8207/025-000	1
Extended temperature range: -20 °C ... +60 °C		
PFC200 CS 2ETH RS 3G Telecontrol/T	750-8207/025-001	1
Extended temperature range: -20 °C ... +60 °C		
Accessories	Item No.	Pack. Unit
WAGO-I/O-PRO V2.3, RS-232 kit	759-333	1
SD memory card, 2 GB	758-879/000-001	1
Self-adhesive antenna	758-961	1
Theft-proof antenna	758-962	1
Rod antenna	758-963	1
Magnetic foot antenna	758-965	1
Miniature WSB Quick marking system		
 plain	248-501	50
with marking	see Full Line Catalog Automation Technology	
Approvals		
Conformity marking	CE	
Marine applications	GL pending	
UL 508	pending	

System Data	
CPU	Cortex A8, 600 MHz
Operating system	Real-time Linux (with RT-Preemption patch)
Main memory (RAM)	256 Mbytes
Internal memory (flash)	256 Mbytes
Retain memory	128 Kbytes
ETHERNET	2 x RJ-45 (switched)
Transmission medium	Twisted Pair S-UTP
	100 Ω , Cat 5;
	Max. line length: 100 m
Baud rate	10/100 Mbit/s; 10Base-T/100Base-TX
Interface (serial)	RS-232/-485 (switchable)
Antenna connection	SMA
Wireless technology	GSM/Edge/UMTS/HSPA+;
	SIM card/slot: mini, push/push mechanism
Protocols	DHCP, DNS, NTP, FTP, FTPS, SNMP, HTTP, HTTPS, SSH, MODBUS (TCP, UDP, RTU),
750-8207/025-001	IEC 60870-5-101/-103/-104,
	IEC 61850-7-4, IEC 61400-25, DNP3
Safety	OpenVPN, IPsec, firewall
Programming	WAGO-I/O-PRO V2.3, e!COCKPIT
IEC 61131-3	IL, LD, FBD (CFC), ST, FC
SD card slot	Push-push mechanism, sealable cover lid
Type of memory card	SD and SDHC up to 32 GB (All
	guaranteed properties are only valid when
	used with WAGO's 758-879/000-001
	memory card.)



Technical Data

Number of I/O modules (per node)	64
with bus extension	250
Input and output process image (max.)	
Data width process image	Internal data bus: 1000 words; MODBUS: 1000 words
I/O interfaces (serial)	1 x serial interface per TIA/EIA 232 and TIA/EIA 485 (switchable), 9-pole D-sub female connector
Diagnostic LEDs	Power supply; SYS; RUN; FIELD BUS (MS, NS); USER (U7); Internal data bus; Mobile radio network; field strength
Indicators	User LEDs: via CODESYS library
Memory configuration CODESYS 2.3	
Program memory	16 MB
Data memory	64 MB
Non-volatile memory (retain)	128 KB
Memory configuration e!RUNTIME	
Program and data memory	60 MB (dynamically distributed)
Non-volatile memory (retain)	128 KB
Communication	GSM quad-band
Communication types	SMS (bidirectional), GPRS connection to Internet
Power supply	24 V DC (-25 % ... +30 %)
Max. input current (24 V)	550 mA
Total current for I/O modules (5 V)	700 mA
Isolation	500V system/supply

General Specifications

Dimensions (mm) W x H x L	103 x 65 x 100
	Height from upper-edge of DIN 35 rail
Weight	288 g
EMC immunity of interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, marine applications
Degree of protection	IP20 acc. to DIN 60529
Type of mounting	DIN 35 rail
Housing material	PC
Ambient conditions	
Operating temperature	0 °C ... +55 °C
Storage temperature	-25 °C ... +85 °C
Relative air humidity (no condensation)	95 %
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Strip lengths	8 ... 9 mm / 0.33 in