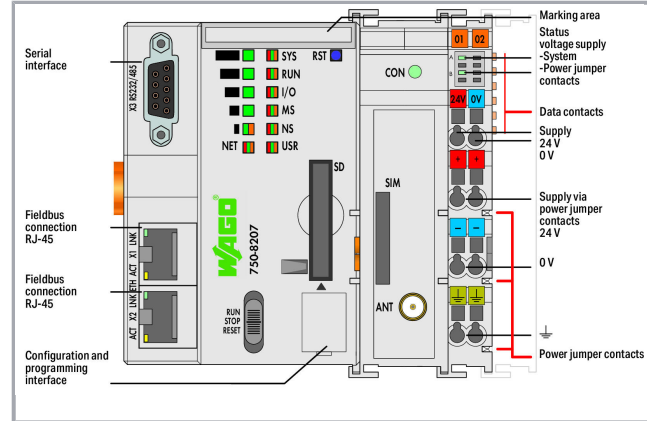


Data sheet | Item number: 750-8207

Controller PFC200; 2 x ETHERNET, RS-232/-485, Mobile Radio Module; light gray



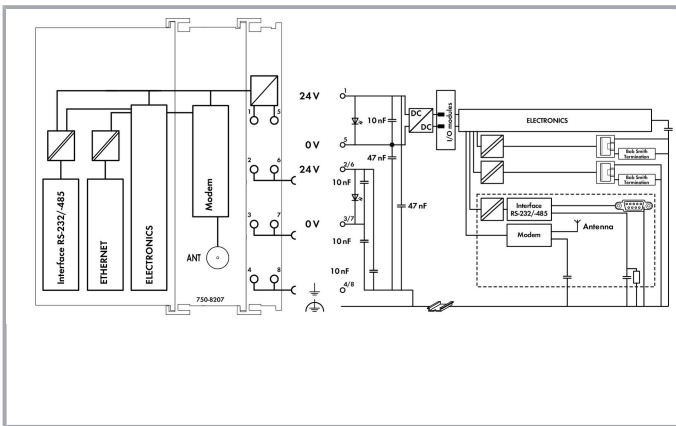
www.wago.com/750-8207



RoHS Compliant

BOMcheck.net

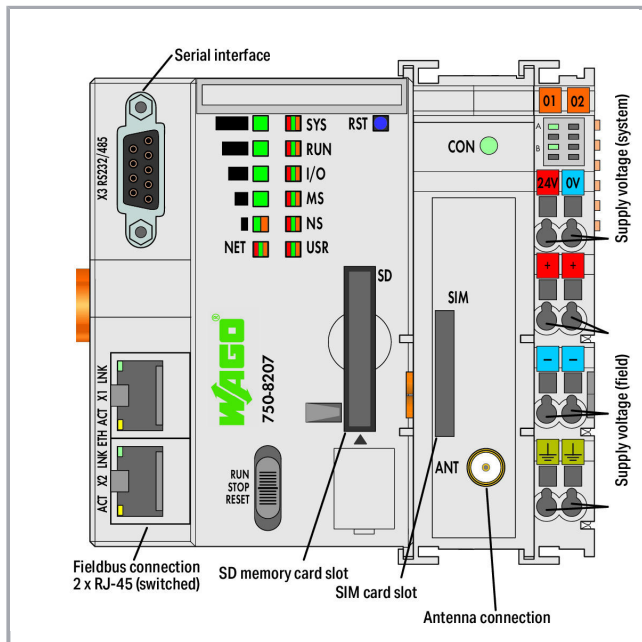
Color:



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WAGO Kontakttechnik GmbH & Co. KG
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 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
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Data sheet | Item number: 750-8207www.wago.com/750-8207**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 interface
- Maintenance-free

Data**Technical Data**

Communication

Modbus (TCP, UDP)

Ethernet

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| | |
|--|--|
| | Modbus RTU RS-232 serial interface RS-485 Serial Interface EtherNet/IP™ Adapter (slave), library for e!RUNTIME MQTT |
| ETHERNET protocols | 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 |
| Radio 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; 100 m maximum cable length |
| Main memory (RAM) | 256 MB |
| Internal memory (flash) | 256 MB |
| Non-volatile hardware 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) |

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| | |
|---|--|
| Non-volatile software memory | 128 Kbytes |
| Non-volatile software memory | 128. Kbytes |
| Memory card type | 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) |
| SIM card type | Mini-SIM |
| SIM card slot | Push-push mechanism |
| Number of modules per node (max.) | 250 |
| Number of modules without a bus extension (max.) | 64 |
| Input and output (internal) process image (max.) | 1000 Worte/1000 Worte |
| Input and output (MODBUS) process image (max.) | CODESYS V2: 1000 Worte/1000 Worte |
| Indicators | LED (SYS, RUN, I/O, USR, S1–S5, NET) red/green/orange: System status, program, local 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 |
| Supply voltage (system) | DC 24 V(-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection) |
| Input current (typ.) at nominal load (24 V) | 550 mA |
| Total current (system supply) | 700 mA |
| Supply voltage (actuator) | , |
| Supply voltage (field) | DC 24 V (-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 |

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 serial 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 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 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 Male connector; 4-pole |

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Data sheet | Item number: 750-8207www.wago.com/750-8207**Geometrical Data**

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

Mechanical data

| | |
|--------------------|------------------------------|
| Weight | 290 g |
| Color | light gray |
| Housing material | Polycarbonate, polyamide 6.6 |
| Conformity marking | CE |

Environmental Requirements

| | |
|--|---|
| Surrounding air temperature (operation) | 0 ... 55 °C |
| Surrounding air temperature (storage) | -40 ... 85 °C |
| Protection type | IP20 |
| Pollution degree (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); 5000 m (max.) |
| Relative humidity (without condensation) | 95 % |
| Mounting position | any |
| Mounting type | DIN-35 rail |
| Vibration resistance | 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 | 1.1 MJ |
| Permissible H ₂ S contaminant concentration at a relative humidity 75 % | 10 ppm |
| Permissible SO ₂ contaminant concentration at a relative humidity 75 % | 25 ppm |

Commercial data

| | |
|-------------------|-----|
| Packaging type | BOX |
| Country of origin | DE |

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| | |
|-----------------------|---------------|
| GTIN | 4055143349765 |
| Customs tariff number | 85371091990 |

Product family**Controller 750**[Show all products from the family](#)

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