

Data sheet | Item number: 750-8216/025-000

Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; Ext. Temperature

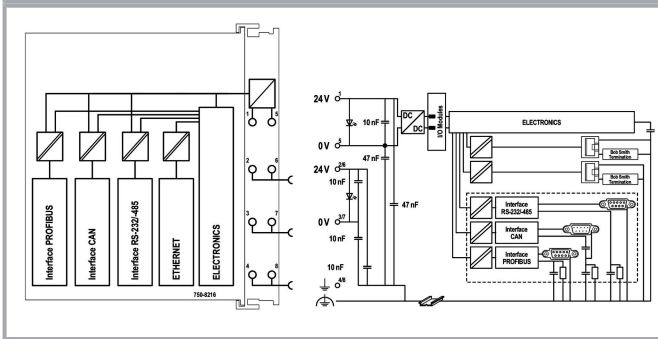
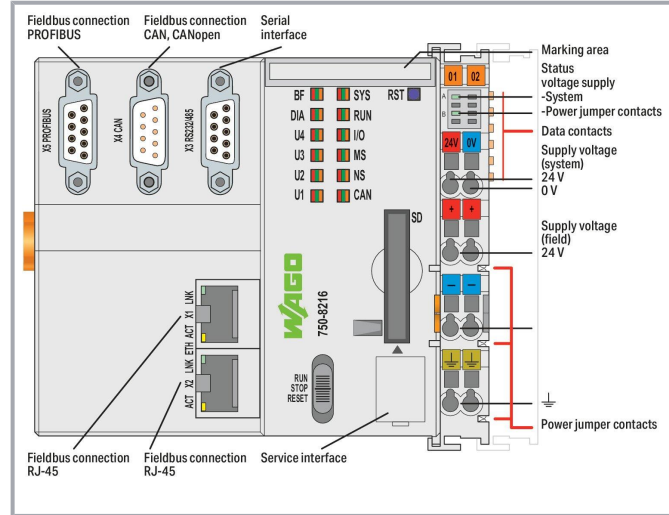


www.wago.com/750-8216/025-000



i Picture differs from the item.

Color:



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

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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.

PFC200 Communication Options Overview

| CPU | On Board | | | | | | | | | | | Product extensions | | | | Description | Item No. Standard | Ext. Temperature | | |
|--------------------|----------------------------|----------|-------------|-------------|--------|---------|--------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|-------------|-------------------|---|------------------|------------------------------------|
| | Modbus (TCP, Modbus/RTU)** | PROFINET | PROFIBUS-DP | PROFIBUS-PA | RS-485 | RS-232C | Modbus RTU** | Int. Profibus | Int. Profibus | Int. Profibus | Int. Profibus | Int. Profibus | Int. Profibus | Int. Profibus | Int. Profibus | | | | Int. Profibus | |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2nd Generation; 4 x ETHERNET | 750-8210 | 750-8210025-000 |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2nd Generation; 2 x ETHERNET, 2 x SFP Ports | 750-8211 | |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232C-485 | 750-8212 | 750-821025-000 |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Telecontrol Technology; Telecontrol Technology; EDO | | 750-8212025-001 750-8212025-002 |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | IBADiNet/IP | 750-8212/000-100 | |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2nd Generation; 2 x ETHERNET, CAN, CANopen | 750-8213 | |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232C-485, CAN, CANopen | 750-8214 | |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2nd Generation; 4 x ETHERNET, CAN, CANopen, USB | 750-8215 | |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232C-485, CAN, CANopen, PROFIBUS Slave | 750-8216 | 750-8216025-000 |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Telecontrol Technology | | 750-8216025-001 |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232C-485, Mobile Radio Module; EU version | 750-8217 | 750-8217025-000 |
| Cortex AB; 1 GHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Global version | 750-8217/000-000 | 750-8217025-000 |
| Cortex AB; 600 MHz | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Controller PFC200; 2 x ETHERNET, RS-232C-485, CAN, CANopen, PROFIBUS-Master | 750-8208 | 750-8208025-000 |
| | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | M/S | Telecontrol Technology | | 750-8208025-001 |

M: Master; S: Slave; *requires an additional license; **in preparation; ***WagoAppPfcModbus 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!



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

Data

Technical data

| | |
|---------------------------------------|--|
| Communication | PROFIBUS CANopen 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) |

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



| | Structured Text (ST) Sequential Function Chart (SFC) |
|--|--|
| Programming environment | CODESYS V3.5, from firmware release 23 <i>e!COCKPIT</i> (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 <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 | 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 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 V2: 1000 words/1000 words; CODESYS V3: 32000 words /32000 words |
| Input and output process image (PROFIBUS) max. | 244 bytes/244 bytes |
| Input and output process image (CAN) max. | 2000 words/2000 words |
| Indicators | LED (SYS, RUN, I/O, CAN, BF, DIA, U1 ... U4) red/green/orange: Status system, program, internal data bus, CANopen, PROFIBUS, PROFIBUS 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 |

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



| | |
|---|---|
| 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 |

Connection data

| | |
|---|---|
| Connection technology: communication/fieldbus | PROFIBUS: 1 x D-sub 9 socket; CANopen: 1 x D-sub 9 plug; 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 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 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 | 264.2 g |
| Color | light gray |
| Housing material | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE |

Environmental requirements

| | |
|---------------------------------|----------------|
| Ambient temperature (operation) | -20 ... +60 °C |
| Ambient temperature (storage) | -40 ... +85 °C |
| Protection type | IP20 |

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



| | |
|--|---|
| 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 % |
| Relative humidity (with condensation) | Short-term condensation per Class 3K6/IEC EN 60721-3-3 and E-DIN 40046-721-3, accounting for a temperature range of -20 to +60 °C (except for wind-driven precipitation, water and ice formation) |
| 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 61000-6-3, marine applications |
| Exposure to pollutants | Per IEC 60068-2-42 and IEC 60068-2-43 |
| Fire load | 2.909 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

| | |
|-----------------------|---------------|
| 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 | 4055143765084 |
| 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 |

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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) | 1175dd75-9f51-4d85-b814-d7c00a50353b |
| SCIP notification number (Belgium) | c0329e25-ed05-4d85-98bc-6ade5c92b8a7 |
| SCIP notification number (Bulgaria) | 15618a4b-b775-4b6e-b50b-aa08a5511b41 |
| SCIP notification number (Czech Republic) | a1814cb2-e8a1-476e-8e93-4087384453cd |
| SCIP notification number (Denmark) | 469b3ec7-7713-476f-aa03-8cc83a001bae |
| SCIP notification number (Finland) | 859f9ddc-68c7-4a9c-8db2-e497fc805402 |
| SCIP notification number (France) | e724dc36-f27b-4bb3-b029-67164e76868c |
| SCIP notification number (Germany) | f4f88650-7351-4325-a37e-b1e3f8e1b913 |
| SCIP notification number (Hungary) | 2f5dfb60-f3c0-4ef7-8213-b7ff06b8d1a7 |
| SCIP notification number (Italy) | e632ae80-968b-4315-9054-b0327735fbd2 |
| SCIP notification number (Netherlands) | 19a4ca08-3da7-46fb-8c1f-32cfc253b566 |
| SCIP notification number (Poland) | 51dba6b5-a5b7-4566-a5f2-93a46b93e0bd |
| SCIP notification number (Romania) | 43f01877-cbb6-4b0c-88b1-5a3e0f370f6e |
| SCIP notification number (Sweden) | 7be80f88-405b-414f-9f6f-fc7150487d1f |

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) | - | E175199 |

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






LOCATIONS)

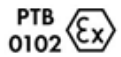


Declarations of conformity and manufacturer's declarations

| 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 |
|--|---|--------------------------|------------------------|
|  | ABS American Bureau of Shipping | - | 22- 2227356- PDA |
|  | BSH Bundesamt fuer Seeschifffahrt und Hydrographie | - | 1104 |
|  | DNV DNV Germany GmbH | DNV-CG-0339, Aug. 2021 | TAA00001J4 |

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 | IEC 60079-0 | IECEX TUN 14.0035 X (Ex ec) |

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TUEV Nord Cert GmbH

IIC T4 Gc)



INMETRO

IEC 60079-0

BR-Ex_TÜV 12.1297 X



TÜV Rheinland do Brasil Ltda.

DEKRA 8505

UKEx

EN 60079-0

UKCA_WAGO22UKEX003X_ec



WAGO GmbH & Co. KG



UL

UL 121201

E198726 Sec.1

Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)

Optional accessories

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 /000-006

www.wago.com/2009-145

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 /000-007

www.wago.com/2009-145

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 /000-005

www.wago.com/2009-145

Item no.: 2009-145/000-012

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Hansastr. 27




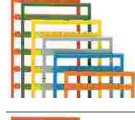



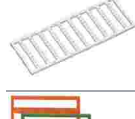
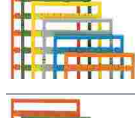
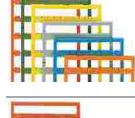
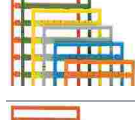
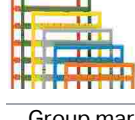
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| | | |
|--|---|--|
|  | Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | www.wago.com/2009-145/000-012 |
|  | Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces 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 |
|  | 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 | | |

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










Item no.: 750-107
Group marker carrier

www.wago.com/750-107



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 |


Communication

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 |

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!

| | | |
|--|--|--|
|  | 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

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



Item no.: 750-963
Fieldbus Connector CANopen; with D-sub female connector; 9-pole

www.wago.com/750-963



Item no.: 750-960
Fieldbus Connector PROFIBUS; with D-sub male connector; 9-pole

www.wago.com/750-960



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

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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

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



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

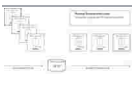
www.wago.com/759-333



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

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

Software applications



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

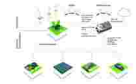
www.wago.com/2759-120/1121-1000

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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.: 2759-245/211-1000
Library Controller Redundancy Master; Single License; Online activation

www.wago.com/2759-245/211-1000

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

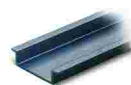
www.wago.com/210-114



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

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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 CAN DPS Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave | 1.10.0 2023 Mar 31 | pdf 5.1 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 Online HTML | | URL | Download |

Bid Text

| | | | |
|----------------------------------|-------------|-----------------|----------|
| 750-8216/025-000 X81 - Datei | 2019 Feb 19 | xml 10.4 kB | Download |
| 750-8216/025-000 docx - Datei | 2019 Jan 23 | docx 22.7 kB | Download |

Instruction Leaflet

| | | | |
|---------------------------------|-------------|-----|----------|
| CCC Ex (Additional information) | 2023 Apr 26 | pdf | Download |
|---------------------------------|-------------|-----|----------|

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WAGO-I/O-SYSTEM *750-****/*

163.6 kB

Tutorial

| | | | |
|--|-------------|---------|----------|
| Set IP address with Ethernet Settings | 3.0 | mp4 | Download |
| 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 | 88.3 MB | |

| | | | |
|--|------------|---------|----------|
| Establish connection to a controller using SSH | 1.0 | mp4 | Download |
| 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 | 29.0 MB | |

System Description

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

Additional Information

| | | | |
|---|-------------|--------|----------|
| Disposal and Recycling | V 1.1.0 | pdf | Download |
| Electrical and electronic equipment, Batteries, Packaging | 2022 Aug 18 | 2.2 MB | |
| WAGO OPC UA Server | V 1.1.0 | pdf | Download |
| | 2021 Jan 28 | 1.2 MB | |

Application Notes

Application Note CoDeSys 2.3

| | | | |
|--|-------------|----------|----------|
| Application Note Data Plotter | 2023-06-01 | zip | Download |
| 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 Jun 1 | 6.7 MB | |
| Application Note: MpBus_03 Library | 2020-08-14 | zip | Download |
| 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 Aug 14 | 526.0 kB | |

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| | | | |
|--|-----------------------------------|-------------------------|-----------------|
| <p>Application Note Library WagoDatalogger_02</p> <p>This application note describes the use of the WagoDatalogger_02.lib library. Up to 80 analog or digital signals can be recorded.</p> | <p>2020-05-20 2020 May 20</p> | <p>zip 1.3 MB</p> | <p>Download</p> |
| <p>Application note Cloud Connectivity</p> <p>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.</p> | <p>2019-09-17 2019 Sep 17</p> | <p>zip 4.1 MB</p> | <p>Download</p> |
| <p>Application note for installing a MySQL-Server on a PFC-Controller</p> <p>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.</p> | <p>1.0.4 2019 May 16</p> | <p>zip 4.5 MB</p> | <p>Download</p> |
| <p>Application note: DALI 753-647 Configuration Interface</p> <p>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.</p> | <p>1.0.2 2019 Apr 29</p> | <p>zip 3.1 MB</p> | <p>Download</p> |
| <p>Connection of Thermokon Multi-function room control units WRF 06</p> <p>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.</p> | <p>10.04.2019 2019 Apr 10</p> | <p>zip 845.9 kB</p> | <p>Download</p> |
| <p>Connection of Thermokon Multi-function room control units WRF 08</p> <p>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.</p> | <p>10.04.2019 2019 Apr 10</p> | <p>zip 876.4 kB</p> | <p>Download</p> |
| <p>HART Tool Routing via ETHERNET with 750-820x/750-88x and CODESYS 2.3 (a116120)</p> <p>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.</p> | <p>1.0.0 2019 Mar 22</p> | <p>pdf 3.9 MB</p> | <p>Download</p> |
| <p>HART Tool Routing via PROFIBUS with 750-833 and 750-333 (a116140)</p> <p>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</p> | <p>1.0.0 2019 Mar 22</p> | <p>pdf 5.3 MB</p> | <p>Download</p> |

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acyclic master, a TH LINK PROFIBUS provides access for the plant asset management applications WAGOframe, PACTware and FieldCare.

| | | | |
|---|---------------------------|-----------------|----------|
| 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 Wetterprognose-Station Kompakt realisiert werden kann. | 1.1 2017 Jul 7 | zip 781.1 kB | Download |
| Application Note: DMX_02 This application note describes how a DMX master for DMX device control can be performed via 750-652 serial interface. | 26.04.2017 2017 Apr 26 | zip 751.0 kB | Download |
| 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 |
| 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 Icus robotlink Der Anwendungshinweis beschreibt anhand einer Demoapplikation die Steuerung eines Icus robotlink® 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 |

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| | | | |
|---|-----------------------------------|-------------------------|-----------------|
| <p>Application Note for the 750-494 3-Phase Power Measurement Module</p> <p>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.</p> | <p>24.01.2014 2014 Nov 11</p> | <p>zip 1.7 MB</p> | <p>Download</p> |
| <p>Application Note for the 750-495 3-Phase Power Measurement Module</p> <p>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.</p> | <p>24.01.2014 2014 Jan 24</p> | <p>zip 1.8 MB</p> | <p>Download</p> |
| <p>Connection of a Thermokon Thanos SR L MODBUS room control unit to the WAGO-I/O-SYSTEM</p> <p>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.</p> | <p>02.05.2013 2013 May 13</p> | <p>zip 313.2 kB</p> | <p>Download</p> |
| <p>Connection of DMX devices to the WAGO-I/O-SYSTEM via the ArtNet-DMX STAGE-PROFI 1.1</p> <p>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.</p> | <p>11.01.2013 2013 Jan 11</p> | <p>zip 1.5 MB</p> | <p>Download</p> |
| <p>Application Note PowerMeasurement_03 Library</p> <p>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).</p> | <p>19.01.2011 2012 Mar 19</p> | <p>zip 954.5 kB</p> | <p>Download</p> |
| <p>Application Note Connecting with an iPod Touch</p> <p>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.</p> | <p>30.03.2011 2011 Oct 28</p> | <p>zip 439.1 kB</p> | <p>Download</p> |
| <p>Application Note Weather Station Elsner P03 Modbus</p> <p>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.</p> | <p>01.12.2011 2011 Oct 28</p> | <p>zip 275.6 kB</p> | <p>Download</p> |
| <p>Application Note Scheduler_03.lib</p> <p>This application note describes different applications of the Scheduler_03.lib library.</p> | <p>20.05.2011 2011 May 20</p> | <p>zip 1.8 MB</p> | <p>Download</p> |
| <p>Application Note e!COCKPIT</p> | | | |
| <p>Application Note Data Plotter</p> <p>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</p> | <p>2023-06-01 2023 Jun 1</p> | <p>zip 6.7 MB</p> | <p>Download</p> |

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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 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 |
| 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. | 1.1.0 2020 Feb 20 | zip 3.8 MB | Download |
| eCOCKPIT application note installation MySQL-Server 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. | 1.0.3 2019 Sep 9 | pdf 1.9 MB | Download |
| 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 |

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Do you have any questions about our products?
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| | | | |
|---|---------------------|-----------------|--------------------------|
| 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 |
| 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 |
| WagoLibCpuUsage This library enables you to determine the CPU load (usage). | 1.0.0 | pdf 265.7 kB | Download |
| WagoLibLed 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. | 1.0.0 | pdf 516.5 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 |

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 |

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

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CODESYS Development System V3 including WAGO Device Support Package

[URL](#)

[Download](#)

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

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.

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- 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 | 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 |

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 750-8216/025-000 | URL | Download |
|-------------------------------|-----|----------|

CAE data

| | | |
|------------------------------------|-----|----------|
| ZUKEN Portal 750-8216/025-000 | URL | Download |
| EPLAN Data Portal 750-8216/025-000 | URL | Download |

Device Files

Device Description File

| | | | |
|---|-----|-----|----------|
| 750-910; GSD files for PROFIBUS / 750, 752, 755, 758 and 767 Series | 6.8 | zip | Download |
|---|-----|-----|----------|

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2023 Jan 15

5.5 MB

750-914; EDS file for CANopen / 750, 752 and 767 Series

XT

zip

Download

2021 Mar 12

1.8 MB

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-8216/025-000

URL

Download

Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS Slave; Ext. Temperature

Installation Notes

Product family

Controller 750

[Show all products from the family](#)

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