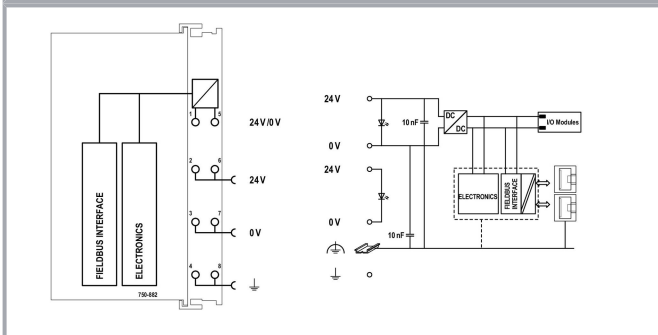
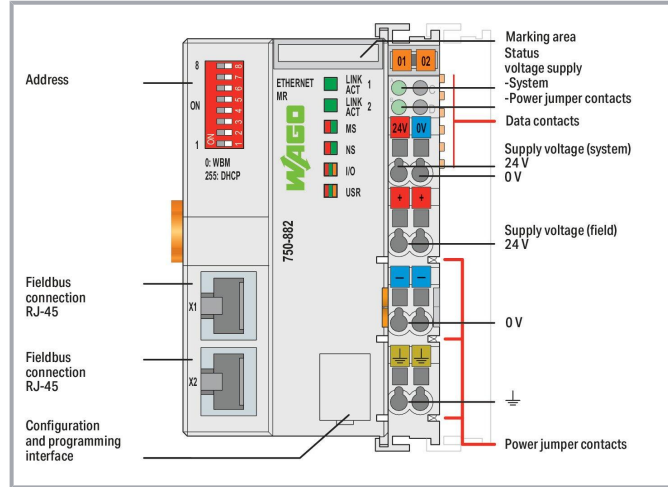
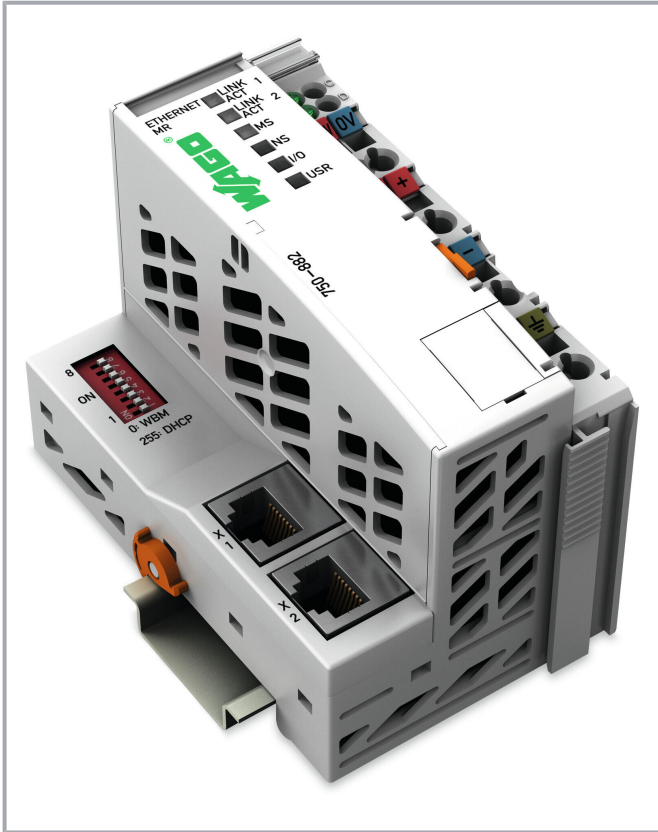


Data sheet | Item number: 750-882
 Controller ETHERNET; 3rd Generation; Media Redundancy



www.wago.com/750-882



Successor model

| | | |
|--|--|--|
| | Item no.750-8102 Controller PFC100; 2 x ETHERNET, RS-232/-485 | www.wago.com/750-8102 |
| | Item no.750-8213 Controller PFC200; 2nd Generation; 2 x ETHERNET, CAN, CANopen | www.wago.com/750-8213 |

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

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Item no.750-8212

Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485

www.wago.com/750-8212



Item no.750-8101

Controller PFC100; 2 x ETHERNET

www.wago.com/750-8101



Item no.750-8210

Controller PFC200; 2nd Generation; 4 x ETHERNET

www.wago.com/750-8210

Item description

In conjunction with the WAGO I/O System, the ETHERNET Controller serves ETHERNET networks requiring fast and safe media redundancy. The controller supports all digital and analog input/output modules, as well specialty modules found within the 750/753 Series, and is suitable for data rates of 10/100 Mbit/s.

Media redundancy is achieved by operating the controller in two separate networks – which is accessible via two different IP addresses (including two MAC IDs). Cross communication between separate channels is not possible. The two separate ETHERNET interfaces allow redundant connection of two transmission paths (no hub or switch required). Both interfaces support autonegotiation and Auto-MDI(X). The DIP switch configures the last byte of both default IP addresses and may be used for IP address assignment (DHCP, BootP).

The media redundancy controller is designed for fieldbus communication via MODBUS in ETHERNET networks. It also supports a wide variety of standard ETHERNET protocols (HTTP, BootP, DHCP, DNS, FTP). An integrated Webserver provides user configuration options, while displaying the controller's status information.

The IEC 61131-3 programmable controller is multitasking-capable and features a capacitor-backed RTC.

Data

Notes

| | |
|------|---|
| Note | Berücksichtigen Sie bei Neuinstallationen die Alternativartikel |
|------|---|

Technical data

| | |
|---------------------|---|
| Communication | EtherNet/IP™ Modbus (TCP, UDP) ETHERNET |
| ETHERNET protocols | HTTP BootP DHCP DNS SNTP FTP SNMP |
| Redundancy function | via two logically separated ETHERNET interfaces |
| Visualization | Web-Visu Web Visu |

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



| | |
|---|---|
| CPU | 32 bits |
| 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 | WAGO-I/O-PRO V2.3 (based on CODESYS V2.3) |
| Configuration options | WAGO-I/O-CHECK Web-Based Management |
| Baud rate (communication/fieldbus 1) | 10/100 Mbit/s |
| Baud rate | 10/100 Mbit/s |
| Transmission medium (communication/fieldbus) | Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length |
| Transmission performance | Class D per EN 50173 |
| Program memory | 1024 KB |
| Data memory | 512 KB |
| Non-volatile software memory | 32 Kbytes |
| Number of modules per node (max.) | 250 |
| Number of modules without a bus extension (max.) | 64 |
| Input and output process image (fieldbus) max. | 1020 words/1020 words |
| Indicators | LED (LINK/ACT) green: Network connection via ports 1 ... 2; LED (MS, NS) red/green: Status of node, network; LED (I/O, USR) red /green/orange: Local data bus status, status programmable by user; 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) | 500 mA |
| Power supply efficiency (typ.) at nominal load (24 V) | 90 % |
| Current consumption (5 V system supply) | 450 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 |

Connection data

| | |
|---|---|
| Connection technology: communication/fieldbus | EtherNet/IP™: 2 x RJ-45; Modbus (TCP, UDP): 2 x RJ-45 |
| Connection technology: system supply | 2 x CAGE CLAMP® |

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



| | |
|---|--|
| 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 | 61.5 mm / 2.421 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 | 159.2 g |
| Housing material | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE |

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 61000-6-3, marine applications |
| Exposure to pollutants | Per IEC 60068-2-42 and IEC 60068-2-43 |
| Fire load | 3.587 MJ |
| Permissible H ₂ S contaminant concentration at a relative humidity 75 % | 10 ppm |
| | 25 ppm |

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

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Permissible SO₂ contaminant concentration at a relative humidity 75
%

Commercial data

| | |
|-----------------------|-----------------|
| Product Group | 15 (I/O System) |
| 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 | 4050821174929 |
| Customs tariff number | 85371091990 |

Environmental Product Compliance

| | |
|---|---|
| CAS-No. | 12060-00-3 1303-86-2 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 Lead titanium oxide (PbTiO ₃) |
| RoHS Compliance Status | Compliant,With Exemption |
| RoHS Exemption | 6(c) 7(a) 7(c)-I 7(c)-II 7a |
| SCIP notification number (Bulgaria) | 0732f067-50da-4853-9af8-cc9e60fe6733 |
| SCIP notification number (Czech Republic) | 26e1f3f7-845b-4454-89c4-3c5fc8856765 |

Approvals / Certificates





General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|------|----------|--------------------------|------------------|


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| | | | |
|--|---|------------------------|---------------------------------------|
|  | 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) | UL 508 | E175199 Sec.1 |

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 | - | 22-2219060 |
|  | BSH Bundesamt fuer Seeschifffahrt und Hydrographie | - | 1104 |
|  | BV Bureau Veritas S.A. | - | 30389/B1 BV |
|  | DNV DNV GL SE | DNV-CG-0339, Aug. 2021 | TAA0000194 |
| | KR Korean Register of Shipping | - | KR HMB05880- AC001 |

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| | | | |
|---|----------------------------|---|--------------|
|  | LR Lloyds Register EMEA | - | LR22180952TA |
|---|----------------------------|---|--------------|

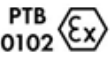







| | | |
|-------------------------------|---|-----------------------|
| PRS Polski Rejestr Statków | - | TE/2236/880590 /19 |
|-------------------------------|---|-----------------------|



| | | |
|---------------------------|---|----------------|
| RINA RINA Germany GmbH | - | ELE343521XG001 |
|---------------------------|---|----------------|

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 nA 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 |
|  | KTL Korea Testing Laboratory | KOSHA Article 34, IEC60079-0 | 21-KA4BO-0552X |
| | UKEx | EN 60079-0 | UKCA_WAGO22UKEX003X_ec |

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

DEKRA 8505

WAGO GmbH & Co. KG



UL
Underwriters Laboratories Inc. (HAZARDOUS
LOCATIONS)

UL 121201

E198726 Sec.1

Optional accessories

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

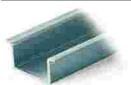
www.wago.com/210-504



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

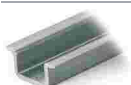
www.wago.com/210-508



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;

www.wago.com/210-115

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

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silver-colored



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

Software

Basic version



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

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

www.wago.com/2009-145/000-006



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

www.wago.com/2009-145/000-007



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

www.wago.com/2009-145/000-005



Item no.: 2009-145/000-012

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

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

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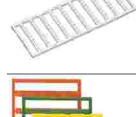
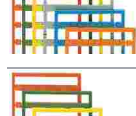
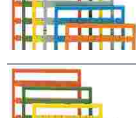
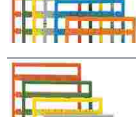
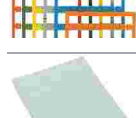

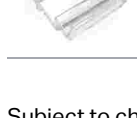
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| | | |
|--|---|--|
|  | Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/2009-145/000-024 |
|  | Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; 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 |
|  | Item no.: 750-100 Marker card; as a DIN A4 sheet; plain | www.wago.com/750-100 |
| Group marker carrier | | |
|  | Item no.: 750-106 Group marker carrier | www.wago.com/750-106 |

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














Cables and pluggable connectors

| Connector plug | | |
|--|---|--|
|  | 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 |
|  | 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 |

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

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 |
|  | 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 | |

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IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-836


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 |

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 |

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 WAGOupload For commissioning, management and configuration of ETHERNET 750 Series fieldbus controllers | V 9.3.0 2022 Aug 4 | pdf 4.2 MB | Download |
| Product Manual WAGO MODBUS Master Configurator | V 1.1.0 | pdf | Download |

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| for configuration of MODBUS networks in WAGO-I/O-PRO (CODESYS) | | | 1.8 MB | |
| Product Manual ETHERNET media redundancy programmable fieldbus controller 10/100 Mbit/s; digital and analog signals | V 1.5.0 | pdf | 13.4 MB | Download |
| System Manual Series 750/753 Online HTML | | URL | | Download |
| Quick-Start Guide | | | | |
| Programmable Fieldbus Controller ETHERNET 750-88x 10/100 Mbit/s; digital and analog signals | V 1.0.0 | pdf | 4.4 MB | Download |
| Bid Text | | | | |
| 750-882 X81 - Datei | 2019 Feb 19 | xml | 7.1 kB | Download |
| 750-882 doc - Datei | 2015 May 19 | doc | 31.2 kB | Download |
| Instruction Leaflet | | | | |
| CCC Ex (Additional information) WAGO-I/O-SYSTEM *750-****/* | 2023 Apr 26 | pdf | 163.6 kB | Download |
| System Description | | | | |
| Overview on WAGO-I/O-SYSTEM 750 approvals | | pdf | 789.0 kB | Download |
| 750 Controller, General Product Information | | pdf | 519.7 kB | Download |
| Additional Information | | | | |
| Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging | V 1.1.0 2022 Aug 18 | pdf | 2.2 MB | Download |
| Application Notes | | | | |
| Application Note CoDeSys 2.3 | | | | |
| Application Note: MpBus_03 Library | 2020-08-14 2020 Aug 14 | zip | 526.0 kB | Download |

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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).

| | | | |
|--|-----------------------------------|-------------------------|-----------------|
| <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>HVAC System Macros</p> <p>WAGO provides system macros for HVAC applications that are based on Building_HVAC_03.lib.</p> | <p>10.03.2017 2019 Mar 15</p> | <p>zip 13.6 MB</p> | <p>Download</p> |
| <p>Using the web visualization with Java™ runtime environment (JRE, JVM) 7 update 51 (7u51) (a500690)</p> <p>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.</p> | <p>1.2.4 2019 Feb 26</p> | <p>zip 5.0 MB</p> | <p>Download</p> |
| <p>Anbindung der HKW-Elektronik Wetterprognose-Station WS-K xx T ModBus</p> <p>Dieser Anwendungshinweis beschreibt, wie die Kommunikation zwischen dem WAGO-I/O-System und einer HKW-Elektronik Wetterprognose-Station Kompakt realisiert werden kann.</p> | <p>1.1 2017 Jul 7</p> | <p>zip 781.1 kB</p> | <p>Download</p> |
| <p>Application Note: DMX_02</p> <p>This application note describes how a DMX master for DMX device control can be performed via 750-652 serial interface.</p> | <p>26.04.2017 2017 Apr 26</p> | <p>zip 751.0 kB</p> | <p>Download</p> |

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|--|---------------------------|-----------------|----------|
| 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 |
| 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 |
| Application Note for the 750-494 3-Phase Power Measurement Module 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. | 24.01.2014 2014 Nov 11 | zip 1.7 MB | Download |
| Application Note for the 750-495 3-Phase Power Measurement Module 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. | 24.01.2014 2014 Jan 24 | zip 1.8 MB | Download |
| Connection of a Thermokon Thanos SR L MODBUS room control unit to the WAGO-I/O-SYSTEM 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. | 02.05.2013 2013 May 13 | zip 313.2 kB | Download |
| Connection of DMX devices to the WAGO-I/O-SYSTEM via the ArtNet-DMX STAGE-PROFI 1.1 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. | 11.01.2013 2013 Jan 11 | zip 1.5 MB | Download |
| Application Note PowerMeasurement_03 Library | 19.01.2011 2012 Mar 19 | zip 954.5 kB | Download |

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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).

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| <p>Application Note DaylightSaving</p> <p>This Application Note explains how automatic switching between standard/daylight savings time can be implemented on the Ethernet fieldbus controller 750-841, starting from Firmware version 11.</p> | <p>02.04.07 2011 Nov 8</p> | <p>zip 682.4 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>Redundant Modbus communication with 750-882 (a300004)</p> <p>The WAGO Ethernet-Controller 750-882 provide two individual network interfaces, who can be used for any kind of ethernet communication. This application note shows how to setup a redundant Modbus_UDP connection between two 750-882, where one Controller act as a Modbus-Master who calculate and send process data to another 750-882 whos operate as Modbus-Slave.</p> | <p>1.0.0 2010 Nov 11</p> | <p>zip 760.8 kB</p> | <p>Download</p> |

Libraries

Library

| | | | |
|---|------------------------------|-------------------------|-----------------|
| <p>ModuleAccess_01.lib</p> <p>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.</p> | <p>1.8.7 2020 Jan 27</p> | <p>zip 2.2 MB</p> | <p>Download</p> |
| <p>WagoLibConfigETH_01</p> <p>The library WagoLibConfigETH_01.lib library provides function blocks for accessing the device configuration (e.g., network settings, data and time, ongoing services) of the fieldbus controllers ETHERNET.</p> | <p>1.0.0</p> | <p>pdf 390.6 kB</p> | <p>Download</p> |

Engineering-Software

Configuration and Commissioning Software

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|--|----------------------------|----------------|----------|
| (759-316) WAGO Ethernet Settings / Serie 750 | 06.18.01.01 2023 Feb 28 | zip 27.3 MB | Download |
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|--|---------------------------|-----------------|----------|
| 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

| | | | |
|---|--|-----|----------|
| WAGUpload WAGUpload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers. | | URL | Download |
|---|--|-----|----------|

Runtime Software

Firmware

| | | | |
|---|---------------------|---------------|----------|
| 0750-0882, Controller ETHERNET WAGO_FW0750-0882_V010825_IX16_S | V 16 2021 Jul 27 | zip 3.4 MB | Download |
|---|---------------------|---------------|----------|

CAD/CAE-Data

CAD data

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|----------------------|--|-----|----------|
| 2D/3D Models 750-882 | | URL | Download |
|----------------------|--|-----|----------|

CAE data

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|---------------------------|--|-----|----------|
| EPLAN Data Portal 750-882 | | URL | Download |
|---------------------------|--|-----|----------|

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|------------------------|--|-----|----------|
| WSCAD Universe 750-882 | | URL | Download |
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|----------------------|--|-----|----------|
| ZUKEN Portal 750-882 | | URL | Download |
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Device Files

Device Driver

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|--|------------------------|---------------|----------|
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0 2014 Sep 10 | zip 4.8 MB | Download |
|--|------------------------|---------------|----------|

Device Description File

| | | | |
|---|-----|-----|----------|
| MIB-Datei für Ethernet-Controller / Serie 750 | 2.0 | zip | Download |
|---|-----|-----|----------|

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Environmental Product Compliance

Compliance Search

| | | |
|---|---------------------|--------------------------|
| Environmental Product Compliance 750-882 Controller ETHERNET; 3rd Generation; Media Redundancy | URL | Download |
|---|---------------------|--------------------------|

Installation Notes

Product family

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

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