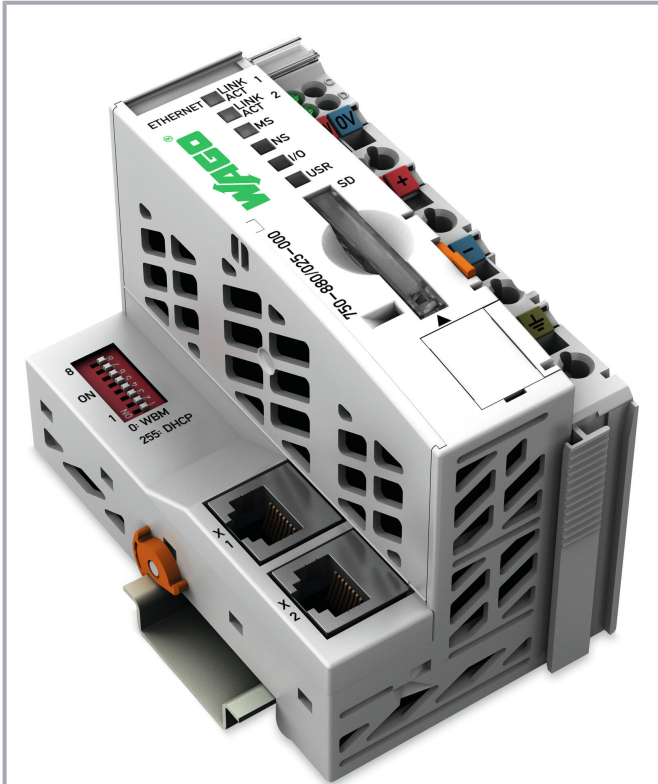


Data sheet | Item number: 750-880/025-000  
 Controller ETHERNET; 3rd Generation; SD Card Slot; Ext. Temperature

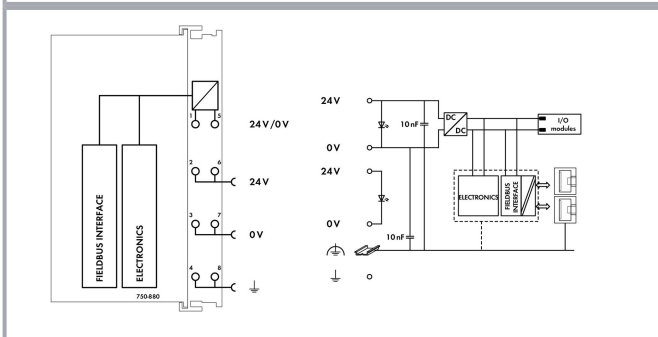
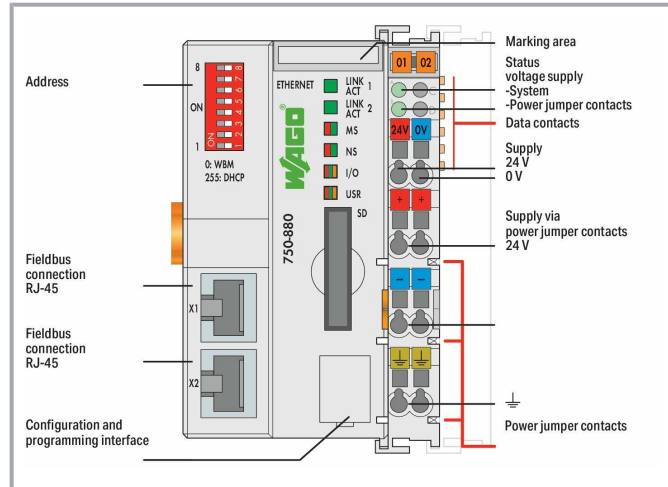


[www.wago.com/750-880/025-000](http://www.wago.com/750-880/025-000)



**i** Picture differs from the item.

Color:



Successor model

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

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 We are always happy to take your call at +49 (571) 887-44222.



## Item description

The ETHERNET Controller can be used as a programmable controller within ETHERNET networks in conjunction with the WAGO I/O System.

The controller supports all digital, analog and specialty modules found within the 750/753 Series, and is suitable for data rates of 10/100 Mbit/s.

Two ETHERNET interfaces and an integrated switch allow the fieldbus to be wired in a line topology, eliminating the need for additional network devices, such as switches or hubs. Both interfaces support autonegotiation and Auto-MDI(X).

The DIP switch configures the last byte of the IP address and may be used for IP address assignment.

The controller supports both MODBUS/TCP and EtherNet/IP for use in industrial environments. It also supports a wide variety of standard ETHERNET protocols for easy integration into IT environments (e.g., HTTP, BootP, DHCP, DNS, SNTP, SNMP, FTP).

For use in telecontrol applications; the 750-880/025-001 and -002 Controllers support the IEC 60870-5-101/-103-104, IEC 61850-7, and IEC 61400-25 communication protocols.

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.

A data memory of 1 MB is available.

The 750-880 Controller is equipped with a removable memory card slot. A memory card can be used to transfer device parameters or files (e.g., boot files) from one controller to another. The memory card can be accessed via FTP and be used as an additional drive.

## Data

### Technical data

|                                       |   |
|---------------------------------------|---|
| Communication                         | EtherNet/IP™<br>Modbus (TCP, UDP)<br>ETHERNET   |
| ETHERNET protocols                    | HTTP<br>BootP<br>DHCP<br>DNS<br>SNTP<br>FTP<br>SNMP   |
| Visualization                         | Web Visu  |
| CPU                                   | 32 bits   |
| Programming languages per IEC 61131-3 | Instruction List (IL)<br>Ladder Diagram (LD)<br>Function Block Diagram (FBD), Continuous Function Chart (CFC) |

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



|   |   |
|---|---|
|   | Structured Text (ST)<br>Sequential Function Chart (SFC)   |
| Programming environment                               | WAGO-I/O-PRO V2.3 (based on CODESYS V2.3)   |
| Configuration options                                 | WAGO-I/O-CHECK<br>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 kByte  |
| Data memory   | 1024 kByte  |
| Non-volatile software memory                          | 32 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)   |
| Number of modules per node (max.)                     | 250   |
| Number of modules without a bus extension (max.)      | 64  |
| Input and output (fieldbus) process image (max.)      | 1020 Worte/1020 Worte   |
| 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 %  |
| Power consumption (5 V system supply)                 | 450 mA  |
| Total current (system supply)                         | 1,700 mA  |
| 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®                                    |
| Connection technology: field supply           | 6 x CAGE CLAMP®                                    |
| Connection type (1)                           | System/field supply                                |

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



|   |  |
|---|--|
| Solid conductor                             | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Fine-stranded conductor                     | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Strip length                                | 8 ... 9 mm / 0.31 ... 0.35 inch              |
| Connection technology: device configuration | 1 x Male connector; 4-pole                   |

### Physical data

|                                   |                      |
|-----------------------------------|----------------------|
| Width                             | 61.5 mm / 2.421 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             | 161.4 g                      |
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Conformity marking | CE                           |

### Environmental requirements

|  |   |
|--|---|
| Surrounding air temperature (operation)  | -20 ... 60 °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 %  |
| 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  | 2.271 MJ  |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 | 10 ppm  |

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

%

Permissible SO<sub>2</sub> contaminant concentration at a relative humidity 75 25 ppm





%

## Commercial data


|                       |                 |
|-----------------------|-----------------|
| Product Group         | 15 (Remote I/O) |
| PU (SPU)              | 1 Stück         |
| Packaging type        | box             |
| Country of origin     | DE              |
| GTIN                  | 4050821174554   |
| Customs tariff number | 85371091990     |

## Approvals / Certificates

### Ex-Approvals




| Logo   | Approval   | Additional Approval Text | Certificate name                |
|--|--|--------------------------|---------------------------------|
|                        | <b>ATEX</b><br>TUEV Nord Cert GmbH                                   | EN 60079-0               | TÜV 07 ATEX<br>554086 X en.     |
| <br>Ex nA IIC T4 Gc | <b>CCCEX</b><br>CQST/CNEx  | CNCA-C23-01              | 2020312310000215                |
|                      | <b>EAC</b><br>Brjansker Zertifizierungsstelle                        | TP TC 012/2011           | EAC RU C-DE.AM02.<br>B.00163/19 |
|                      | <b>TUEV Nord</b><br>TUEV Nord Cert GmbH                              | IEC 60079-0              | IECEX TUN 09.0001<br>X          |
|                      | <b>UL</b><br>Underwriters Laboratories Inc. (HAZARDOUS<br>LOCATIONS) | UL 121201                | E198726 Sec.1                   |

### Country specific Approvals


| Logo   | Approval                                    | Additional Approval Text | Certificate name  |
|--|---|--------------------------|-------------------|
|  | <b>KC</b><br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-<br>REM-W43- |

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

## Ship Approvals

| Logo  | Approval  | Additional Approval Text | Certificate name         |
|---|---|--------------------------|--------------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | -                        | 19-<br>HG1821812-<br>PDA |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAA00001J4               |
|  | <b>LR</b><br>Lloyds Register                            | -                        | LR_19_20048              |
|  | <b>PRS</b><br>Polski Rejestr Statków                    | -                        | TE/2237<br>/880590/19    |

## UL-Approvals

| Logo   | Approval  | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | <b>UL</b><br>UL International Netherlands B.V. (ORDINARY LOCATIONS) | UL 508                   | E175199<br>Sec.1 |

## Optional accessories

## 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](http://www.wago.com/758-879/000-001)

## 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](http://www.wago.com/750-975)

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

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**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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/750-977/000-021)

#### General accessories

##### Bluetooth



**Item no.:** 750-921

Bluetooth® Adapter

[www.wago.com/750-921](http://www.wago.com/750-921)

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

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Communication cable



**Item no.: 750-923**  
Configuration cable; USB connector; Length: 2.5 m

[www.wago.com/750-923](http://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](http://www.wago.com/750-923/000-001)

Shield termination

Shield clamping saddle



**Item no.: 790-116**  
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm

[www.wago.com/790-116](http://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](http://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](http://www.wago.com/790-108)



**Item no.: 790-140**  
Shield clamping saddle; diameter of compatible conductor

[www.wago.com/790-140](http://www.wago.com/790-140)



**Item no.: 790-216**  
Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm

[www.wago.com/790-216](http://www.wago.com/790-216)



**Item no.: 790-220**  
Shield clamping saddle; 30 mm wide; 6 ... 20 mm

[www.wago.com/790-220](http://www.wago.com/790-220)



**Item no.: 790-208**  
Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm

[www.wago.com/790-208](http://www.wago.com/790-208)

Marking accessories

Marker carrier

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

[www.wago.com/750-103](http://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](http://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](http://www.wago.com/2009-145)






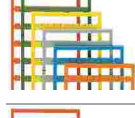
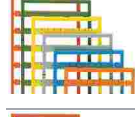



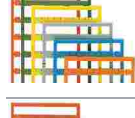



**Item no.: 2009-145/000-002**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

[www.wago.com/2009-145/000-002](http://www.wago.com/2009-145/000-002)

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



|  |   |  |
|--|---|--|
|    | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray   | <a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</a> |
|    | <b>Item no.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red    | <a href="http://www.wago.com/2009-145/000-005">www.wago.com/2009-145/000-005</a> |
|    | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | <a href="http://www.wago.com/2009-145/000-012">www.wago.com/2009-145/000-012</a> |
|    | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green  | <a href="http://www.wago.com/2009-145/000-023">www.wago.com/2009-145/000-023</a> |
|    | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | <a href="http://www.wago.com/2009-145/000-024">www.wago.com/2009-145/000-024</a> |
|    | <b>Item no.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue                                    | <a href="http://www.wago.com/248-501/000-006">www.wago.com/248-501/000-006</a>   |
|   | <b>Item no.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray                                    | <a href="http://www.wago.com/248-501/000-007">www.wago.com/248-501/000-007</a>   |
|  | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow                                  | <a href="http://www.wago.com/248-501/000-002">www.wago.com/248-501/000-002</a>   |
|  | <b>Item no.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange                                  | <a href="http://www.wago.com/248-501/000-012">www.wago.com/248-501/000-012</a>   |
|  | <b>Item no.: 248-501</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white   | <a href="http://www.wago.com/248-501">www.wago.com/248-501</a>                   |
|  | <b>Item no.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green                             | <a href="http://www.wago.com/248-501/000-017">www.wago.com/248-501/000-017</a>   |
|  | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red                                     | <a href="http://www.wago.com/248-501/000-005">www.wago.com/248-501/000-005</a>   |

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



**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](http://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](http://www.wago.com/248-501/000-023)



**Item no.: 750-100**  
Marker card; as a DIN A4 sheet; plain

[www.wago.com/750-100](http://www.wago.com/750-100)

Group marker carrier



**Item no.: 750-106**  
Group marker carrier

[www.wago.com/750-106](http://www.wago.com/750-106)

## Software

Basic version



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

[www.wago.com/759-333](http://www.wago.com/759-333)



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

[www.wago.com/759-333/000-923](http://www.wago.com/759-333/000-923)



**Item no.: 759-911**  
WAGO-I/O-PRO; CD

[www.wago.com/759-911](http://www.wago.com/759-911)

## 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](http://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](http://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](http://www.wago.com/850-816/002-000)





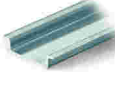


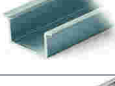

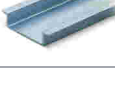
**Item no.: 850-817/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

[www.wago.com/850-817/002-000](http://www.wago.com/850-817/002-000)

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

|  |   |  |
|--|---|--|
|    | <b>Item no.: 850-825</b><br>IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20                                      | <a href="http://www.wago.com/850-825">www.wago.com/850-825</a>                 |
|    | <b>Item no.: 850-826</b><br>IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip                 | <a href="http://www.wago.com/850-826">www.wago.com/850-826</a>                 |
|    | <b>Item no.: 850-827</b><br>IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip                 | <a href="http://www.wago.com/850-827">www.wago.com/850-827</a>                 |
|    | <b>Item no.: 850-827/002-000</b><br>IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip         | <a href="http://www.wago.com/850-827/002-000">www.wago.com/850-827/002-000</a> |
|    | <b>Item no.: 850-826/002-000</b><br>IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip         | <a href="http://www.wago.com/850-826/002-000">www.wago.com/850-826/002-000</a> |
|    | <b>Item no.: 850-828/002-000</b><br>IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip        | <a href="http://www.wago.com/850-828/002-000">www.wago.com/850-828/002-000</a> |
|    | <b>Item no.: 850-828</b><br>IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip                | <a href="http://www.wago.com/850-828">www.wago.com/850-828</a>                 |
|   | <b>Item no.: 850-834</b><br>IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20                                      | <a href="http://www.wago.com/850-834">www.wago.com/850-834</a>                 |
|  | <b>Item no.: 850-835</b><br>IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip                 | <a href="http://www.wago.com/850-835">www.wago.com/850-835</a>                 |
|  | <b>Item no.: 850-836</b><br>IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip                 | <a href="http://www.wago.com/850-836">www.wago.com/850-836</a>                 |
| <b>Carrier rail</b>  |   |  |
| Mounting accessories   |   |  |
|  | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored                | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a>                 |
|  | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored           | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a>                 |
|  | <b>Item no.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored   | <a href="http://www.wago.com/210-504">www.wago.com/210-504</a>                 |
|  | <b>Item no.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored | <a href="http://www.wago.com/210-505">www.wago.com/210-505</a>                 |

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|   | <b>Item no.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored       | <a href="http://www.wago.com/210-506">www.wago.com/210-506</a> |
|   | <b>Item no.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored         | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a> |
|   | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored                  | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a> |
|   | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored                 | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |
|   | <b>Item no.: 210-112</b><br>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 | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a> |
|   | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored                   | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a> |
|   | <b>Item no.: 210-115</b><br>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 | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a> |
|  | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored               | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a> |

## Downloads

### Documentation

| Manual  |                         |                |          |
|---|-------------------------|----------------|----------|
| ETHERNET Programmable Fieldbus Controller<br>10/100 Mbit/s; digital and analog signals                    | V 2.4.0                 | pdf<br>15.1 MB | Download |
| WAGO MODBUS Master Configurator<br>for configuration of MODBUS networks in WAGO-I/O-PRO (CODESYS)         | V 1.1.0                 | pdf<br>1.8 MB  | Download |
| WAGOupload<br>For commissioning, management and configuration of ETHERNET 750 Series fieldbus controllers | V 8.0.0<br>2021. 4. 28. | pdf<br>7.0 MB  | Download |
| System Manual WAGO I/O System 750 / 753<br>Decentralized Automation Technology                            | V 3.0.2<br>2021. 4. 27. | pdf<br>6.6 MB  | Download |
| System Manual Series 750/753<br>Online HTML   |                         | URL            | Download |

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## Quick-Start Guide

|  |         |               |          |
|--|---------|---------------|----------|
| Programmable Fieldbus Controller ETHERNET 750-88x<br>10/100 Mbit/s; digital and analog signals | V 1.0.0 | pdf<br>4.4 MB | Download |
|--|---------|---------------|----------|

## Bid Text

|                                 |              |                 |          |
|---------------------------------|--------------|-----------------|----------|
| 750-880/025-000<br>docx - Datei | 2019. 6. 26. | docx<br>17.9 kB | Download |
|---------------------------------|--------------|-----------------|----------|

|                                |              |               |          |
|--------------------------------|--------------|---------------|----------|
| 750-880/025-000<br>X81 - Datei | 2019. 2. 19. | xml<br>7.7 kB | Download |
|--------------------------------|--------------|---------------|----------|

## System Description

|  |         |               |          |
|--|---------|---------------|----------|
| Use in Hazardous Environments<br>Term definition, marking and installation regulations | V 1.0.0 | pdf<br>1.0 MB | Download |
|--|---------|---------------|----------|

|   |  |                 |          |
|---|--|-----------------|----------|
| Overview on WAGO-I/O-SYSTEM 750 approvals |  | pdf<br>780.2 kB | Download |
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|   |  |                 |          |
|---|--|-----------------|----------|
| 750 Controller, General Product Information |  | pdf<br>621.9 kB | Download |
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## Additional Information

|  |         |                 |          |
|--|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf<br>265.8 kB | Download |
|--|---------|-----------------|----------|

## Libraries

### Library

|  |       |                 |          |
|--|-------|-----------------|----------|
| WagoLibConfigETH_01<br>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. | 1.0.0 | pdf<br>390.6 kB | Download |
|--|-------|-----------------|----------|

## Engineering-Software

### Configuration and Commissioning Software

|                                    |                      |               |          |
|------------------------------------|----------------------|---------------|----------|
| WAGO Extension Setting / Serie 750 | 2.0.2<br>2011. 3. 9. | zip<br>5.4 MB | Download |
|------------------------------------|----------------------|---------------|----------|

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|   |                            |                 |          |
|---|----------------------------|-----------------|----------|
| WAGUpload Small Version<br>WAGUpload ist eine eigenständige PC-Software zur Übertragung, Sicherung und Wiederherstellung von SPS-Applikationen auf WAGO Controllern der Serie 750 | 1.13.0.1<br>2021. 1. 28.   | zip<br>5.8 MB   | Download |
| WAGUpload Full Version<br>WAGUpload ist eine eigenständige PC-Software zur Übertragung, Sicherung und Wiederherstellung von SPS-Applikationen auf WAGO Controllern der Serie 750. | 1.13.0.1<br>2021. 1. 28.   | zip<br>55.4 MB  | Download |
| (759-316) WAGO Ethernet Settings / Serie 750  | 6.14.01.00<br>2019. 3. 29. | exe<br>20.0 MB  | Download |
| WAGO BootPServer / Serie 750 und 767  | 1.0<br>2000. 3. 7.         | zip<br>1.1 MB   | Download |
| WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762   | 2.3.9.61<br>2015. 7. 3.    | zip<br>372.0 MB | Download |

## Runtime Software

### Firmware

|                    |                        |               |          |
|--------------------|------------------------|---------------|----------|
| Firmware 0750-0880 | V 16.0<br>2021. 7. 27. | zip<br>4.6 MB | Download |
|--------------------|------------------------|---------------|----------|

## CAD/CAE-Data

### CAD data

|                              |  |     |          |
|------------------------------|--|-----|----------|
| 2D/3D Models 750-880/025-000 |  | URL | Download |
|------------------------------|--|-----|----------|

### CAE data

|                                   |  |     |          |
|-----------------------------------|--|-----|----------|
| EPLAN Data Portal 750-880/025-000 |  | URL | Download |
| WSCAD Universe 750-880/025-000    |  | URL | Download |
| ZUKEN Portal 750-880/025-000      |  | URL | Download |
| WSCAD Universe 750-880/025-000    |  | URL | Download |
| EPLAN Data Portal 750-880/025-000 |  | URL | Download |

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## Device Files

### Device Description File

|  |                   |                 |          |
|--|-------------------|-----------------|----------|
| 750-915; EDS-Dateien for EthernetIP / Serie 750, 765 and 767 | 12<br>2021. 7. 9. | zip<br>168.4 kB | Download |
|--|-------------------|-----------------|----------|

|   |                    |               |          |
|---|--------------------|---------------|----------|
| MIB-Datei für Ethernet-Controller / Serie 750 | 2.0<br>2012. 4. 3. | zip<br>6.1 kB | Download |
|---|--------------------|---------------|----------|

### Device Driver

|  |                         |               |          |
|--|-------------------------|---------------|----------|
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0<br>2014. 9. 10. | zip<br>4.8 MB | Download |
|--|-------------------------|---------------|----------|

## Environmental Product Compliance

### Compliance Search

|   |     |          |
|---|-----|----------|
| Environmental Product Compliance 750-880/025-000<br>Controller ETHERNET; 3rd Generation; SD Card Slot; Ext. Temperature | URL | Download |
|---|-----|----------|

## Installation Notes

## Product family

### Controller 750

[Show all products from the family](#)

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