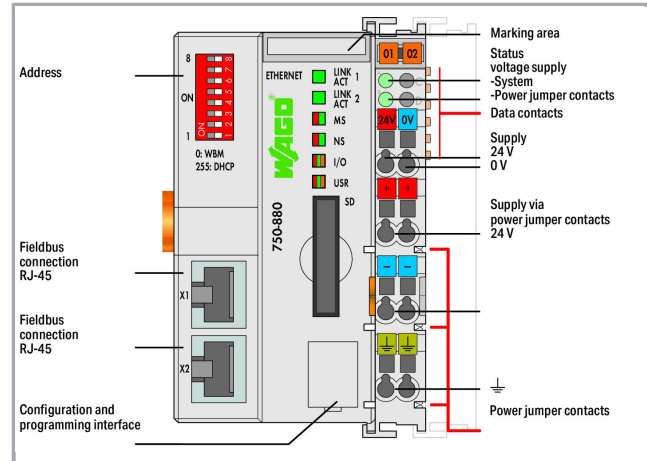
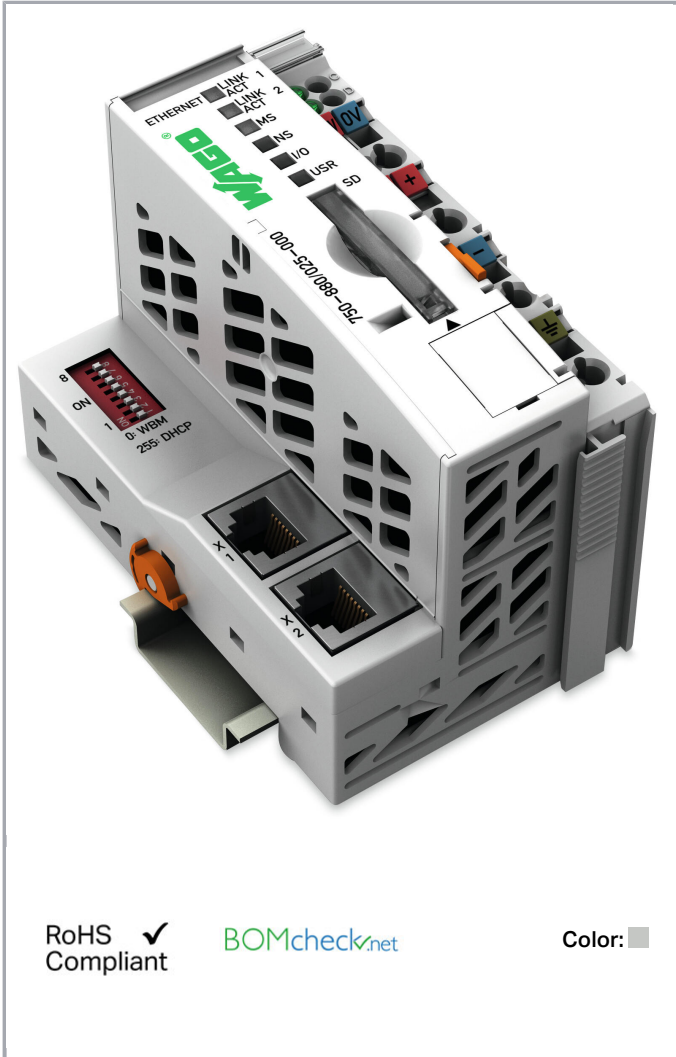


Data sheet | Item number: 750-880/025-000

Controller ETHERNET; 3rd Generation; SD Card Slot; Ext. Temperature; light gray



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



RoHS  Compliant

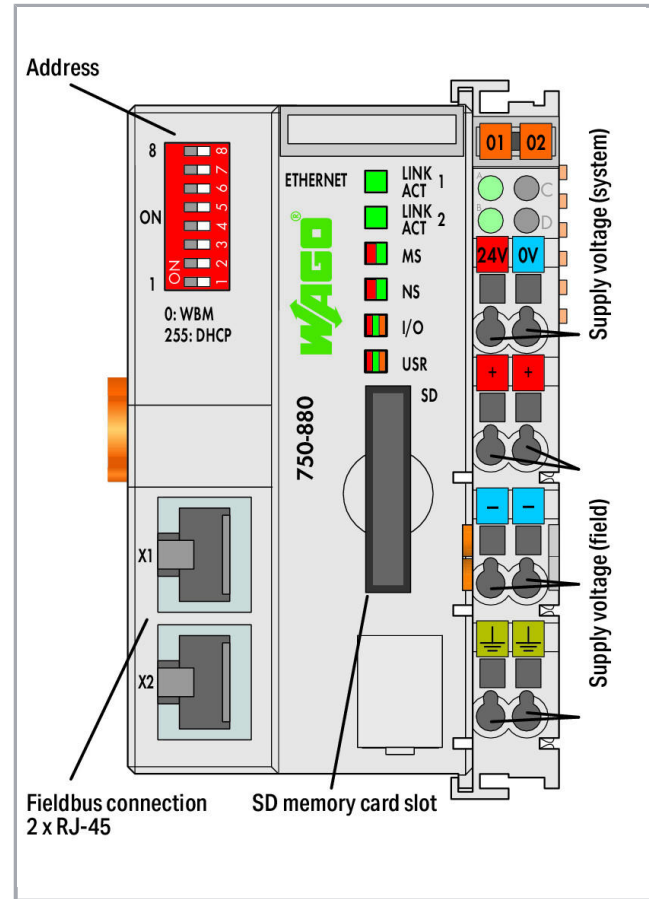
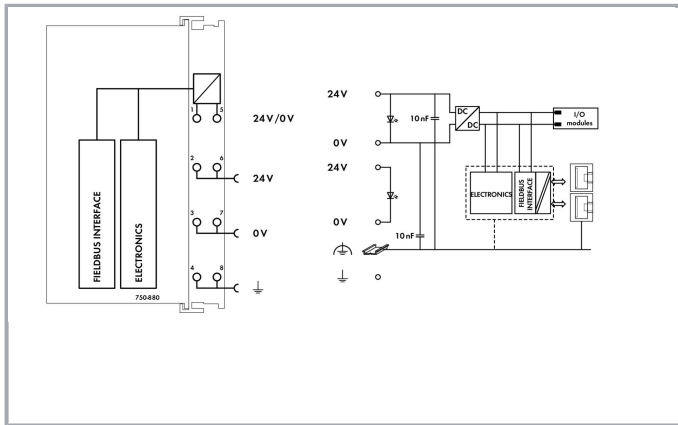
BOMcheck.net

Color:

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

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## 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, 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.

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



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 protocol                                | 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)<br>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                                                                                                                                                               |
| Software non-volatile memory                     | 32 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 I/O modules without bus extension max. | 64                                                                                                                                                                       |
| Input and output process image (Fieldbus) max.   | 1020 Worte/1020 Worte                                                                                                                                                    |
| Indicators                                       | LED (LINK/ACT) green: Network connection via ports 1 ... 2; LED                                                                                                          |

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



(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

|                                                              |                                                                          |
|--------------------------------------------------------------|--------------------------------------------------------------------------|
| System supply voltage                                        | DC 24 V(-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection) |
| Input current typ. at rated load (24 V)                      | 500 mA                                                                   |
| Efficiency of the power supply (typ.) at nominal load (24 V) | 90 %                                                                     |
| Current consumption, system supply (5 V)                     | 450 mA                                                                   |
| Total current for system supply                              | 1,700 mA                                                                 |
| Field supply voltage                                         | DC 24 V (-25 ... +30 %); via power jumper contacts                       |
| Current carrying capacity of the 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                               |
| 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                        |

### Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 61,5 mm / 2.421 inch |
| Height                                | 71,9 mm / 2.831 inch |
| Height from upper-edge of DIN-35 rail | 64,7 mm / 2.547 inch |
| Depth                                 | 100 mm / 3.937 inch  |

### Mechanical data

|                    |                              |
|--------------------|------------------------------|
| Weight             | 161.4 g                      |
| Color              | light gray                   |
| Housing material   | Polycarbonate, polyamide 6.6 |
| Conformity marking | CE                           |

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## Environmental Requirements

|                                                                                    |                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Surrounding air (operating) temperature                                            | -20 ... 60 °C                                                                                                                                                                                     |
| Surrounding air (storage) temperature                                              | -40 ... 85 °C                                                                                                                                                                                     |
| Protection class                                                                   | IP20                                                                                                                                                                                              |
| Degree of pollution (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 air humidity (no condensation)                                            | 95 %                                                                                                                                                                                              |
| Relative humidity                                                                  | 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                                                                                                                                                                                               |
| Type of mounting                                                                   | 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                                                                                                                                                             |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 % | 10 ppm                                                                                                                                                                                            |
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %  | 25 ppm                                                                                                                                                                                            |

## Commercial data

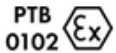
|                    |                 |
|--------------------|-----------------|
| Product Group      | 15 (Remote I/O) |
| Packaging type     | BOX             |
| Country of origin  | DE              |
| GTIN               | 4050821174554   |
| Customs Tariff No. | 85371091990     |



## Approvals / Certificates

### Ex-Approvals


| Logo | Approval                    | Additional Approval Text | Certificate name           |
|------|-----------------------------|--------------------------|----------------------------|
|      | ATEX<br>TUEV Nord Cert GmbH | EN 60079-0               | TÜV 07<br>ATEX<br>554086 X |

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







|                                                                                  |                                                               |             |                           |
|----------------------------------------------------------------------------------|---------------------------------------------------------------|-------------|---------------------------|
|  | TUEV Nord<br>TUEV Nord Cert GmbH                              | IEC 60079-0 | IECEX<br>TUN<br>09.0001 X |
|  | UL<br>Underwriters Laboratories Inc. (HAZARDOUS<br>LOCATIONS) | UL 121201   | E198726<br>Sec.1          |

## Country specific Approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name            |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|-----------------------------|
|  | KC<br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-<br>REM-W43-<br>PFC750 |

## Ship Approvals

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

## Counterpart








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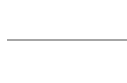
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## Compatible products

### shield connection

|                                                                                    |                                                                                                               |                                                                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|    | <b>Item no.: 790-108</b><br>Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm  | <a href="http://www.wago.com/790-108">www.wago.com/790-108</a> |
|    | <b>Item no.: 790-116</b><br>Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm | <a href="http://www.wago.com/790-116">www.wago.com/790-116</a> |
|    | <b>Item no.: 790-124</b><br>Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm | <a href="http://www.wago.com/790-124">www.wago.com/790-124</a> |
|    | <b>Item no.: 790-140</b><br>Shield clamping saddle; diameter of compatible conductor                          | <a href="http://www.wago.com/790-140">www.wago.com/790-140</a> |
|   | <b>Item no.: 790-208</b><br>Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm                                  | <a href="http://www.wago.com/790-208">www.wago.com/790-208</a> |
|  | <b>Item no.: 790-216</b><br>Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm                                 | <a href="http://www.wago.com/790-216">www.wago.com/790-216</a> |
|  | <b>Item no.: 790-220</b><br>Shield clamping saddle; 30 mm wide; 6 ... 20 mm                                   | <a href="http://www.wago.com/790-220">www.wago.com/790-220</a> |

### system box

|                                                                                    |                                                                                                                                     |                                                                                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>Item no.: 850-804</b><br>IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip         | <a href="http://www.wago.com/850-804">www.wago.com/850-804</a>                 |
|  | <b>Item no.: 850-804/000-001</b><br>IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip | <a href="http://www.wago.com/850-804/000-001">www.wago.com/850-804/000-001</a> |
|  | <b>Item no.: 850-805</b><br>IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip         | <a href="http://www.wago.com/850-805">www.wago.com/850-805</a>                 |
|  | <b>Item no.: 850-814/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate            | <a href="http://www.wago.com/850-814/002-000">www.wago.com/850-814/002-000</a> |
|  | <b>Item no.: 850-815/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate            | <a href="http://www.wago.com/850-815/002-000">www.wago.com/850-815/002-000</a> |

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



**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)



**Item no.: 850-825**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

[www.wago.com/850-825](http://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](http://www.wago.com/850-826)

**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](http://www.wago.com/850-826/002-000)

**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](http://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](http://www.wago.com/850-827/002-000)

**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](http://www.wago.com/850-828)

**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](http://www.wago.com/850-828/002-000)



**Item no.: 850-834**  
IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

[www.wago.com/850-834](http://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](http://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](http://www.wago.com/850-836)

**software**

**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)

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



Marking accessories

|                                                                                    |                                                                                                                                                   |                                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white          | <a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>                 |
|                                                                                    | <b>Item no.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white  | <a href="http://www.wago.com/2009-145/000-002">www.wago.com/2009-145/000-002</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.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue   | <a href="http://www.wago.com/2009-145/000-006">www.wago.com/2009-145/000-006</a> |
|                                                                                    | <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; white  | <a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</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</b><br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card                      | <a href="http://www.wago.com/248-501">www.wago.com/248-501</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.: 248-501/000-005</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>   |
|                                                                                    | <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>   |

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

**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](http://www.wago.com/248-501/000-012)

**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](http://www.wago.com/248-501/000-017)

**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.: 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.: 750-100**

Marker card; as a DIN A4 sheet; plain; white

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



**Item no.: 750-103**

Group marker carrier; transparent

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



**Item no.: 750-106**

Group marker carrier; transparent

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

#### wiring and connectors

**Item no.: 750-975**

ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly; light gray

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

**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.: 750-977/000-012**

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)



**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.: 750-978/000-011**

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.: 750-978/000-012**

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)

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.



**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.: 750-978/000-022**  
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

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**Item no.: 750-979/000-012**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

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**Item no.: 750-979/000-021**  
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief

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**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)

#### Carrier rail

**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

[www.wago.com/210-112](http://www.wago.com/210-112)

**Item no.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

[www.wago.com/210-113](http://www.wago.com/210-113)



**Item no.: 210-114**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

[www.wago.com/210-114](http://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](http://www.wago.com/210-115)

**Item no.: 210-118**  
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

[www.wago.com/210-118](http://www.wago.com/210-118)



**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](http://www.wago.com/210-196)



**Item no.: 210-197**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715

[www.wago.com/210-197](http://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](http://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






[www.wago.com/210-504](http://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

[www.wago.com/210-505](http://www.wago.com/210-505)

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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 | <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   | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a>                 |
| <b>General accessories</b>                                                        |                                                                                                                                |                                                                                |
|   | <b>Item no.: 750-921</b><br>Bluetooth® Adapter; light gray                                                                     | <a href="http://www.wago.com/750-921">www.wago.com/750-921</a>                 |
|   | <b>Item no.: 750-923</b><br>Configuration cable; USB connector; Length: 2.5 m; black                                           | <a href="http://www.wago.com/750-923">www.wago.com/750-923</a>                 |
|                                                                                   | <b>Item no.: 750-923/000-001</b><br>Configuration cable; USB connector; Length: 5 m                                            | <a href="http://www.wago.com/750-923/000-001">www.wago.com/750-923/000-001</a> |
| <b>memory card</b>                                                                |                                                                                                                                |                                                                                |
|   | <b>Item no.: 758-879/000-001</b><br>Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C                           | <a href="http://www.wago.com/758-879/000-001">www.wago.com/758-879/000-001</a> |

## Downloads

### Documentation

#### Manual

|                                                                                                              |                         |                |          |
|--------------------------------------------------------------------------------------------------------------|-------------------------|----------------|----------|
| 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<br>fieldbus controllers | V 6.0.0<br>Oct 29, 2019 | pdf<br>4.4 MB  | Download |
| ETHERNET Programmable Fieldbus Controller<br>10/100 Mbit/s; digital and analog signals                       | V 2.4.0                 | pdf<br>15.1 MB | Download |

#### 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 |
|------------------------------------------------------------------------------------------------|---------|---------------|----------|

#### Additional Information

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

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## System Description

|                                                                                        |         |                 |          |
|----------------------------------------------------------------------------------------|---------|-----------------|----------|
| Design Notes<br>Basic conditions and recommendations for higher operational safety     | V 2.0.0 | pdf<br>1.5 MB   | Download |
| 750 Controller, General Product Information                                            |         | pdf<br>621.9 kB | Download |
| Overview on WAGO-I/O-SYSTEM 750 approvals                                              |         | pdf<br>780.2 kB | Download |
| Use in Hazardous Environments<br>Term definition, marking and installation regulations | V 1.0.0 | pdf<br>1.0 MB   | 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

|                                                                                                                                                                                   |                            |                 |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|----------|
| (759-316) WAGO Ethernet Settings / Serie 750                                                                                                                                      | 6.10.06.12<br>Mar 29, 2019 | exe<br>20.2 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. | 1.12.0.0<br>Mar 30, 2020   | zip<br>55.2 MB  | Download |
| WAGO BootPServer / Serie 750 und 767                                                                                                                                              | 1.0<br>Mar 7, 2000         | zip<br>1.1 MB   | Download |
| WAGO Extension Setting / Serie 750                                                                                                                                                | 2.0.2<br>Mar 9, 2011       | zip<br>5.4 MB   | Download |
| WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762                                                                                                                       | 2.3.9.55<br>Jul 3, 2015    | zip<br>108.3 MB | Download |
| WAGUpload Small Version                                                                                                                                                           | 1.12.0.0                   | zip             | Download |

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



WAGOupload ist eine eigenständige PC-Software zur Übertragung, Sicherung und Wiederherstellung von SPS-Applikationen auf WAGO Controllern der Serie 750

Mar 30, 2020

5.6 MB

## Runtime Software

### Firmware

|                                                                                                           |                    |               |          |
|-----------------------------------------------------------------------------------------------------------|--------------------|---------------|----------|
| Firmware: 750-880/025-000 Controller ETHERNET; 3rd Generation; SD Card Slot; Ext. Temperature; light gray | 14<br>Apr 11, 2019 | zip<br>5.9 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 |
|--------------------------------|--|-----|----------|

## Device Files

### Device Description File

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

|                                                         |                    |                |          |
|---------------------------------------------------------|--------------------|----------------|----------|
| 750-915; EDS-Dateien für EthernetIP / Serie 750 und 767 | 11<br>Nov 12, 2019 | zip<br>93.6 kB | Download |
|---------------------------------------------------------|--------------------|----------------|----------|

### Device Driver

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

## Installation Notes

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



## Product family

### Controller 750

[Learn more about the product family.](#)

[Show all products from the family](#)

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