The EtherNet/IP Controller can be used as a programmable controller within EtherNet/IP 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. This eliminates 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 EtherNet/IP for use in industrial environments. It also supports a wide variety of standard ETHERNET protocols for easy integration into IT environments (HTTP(S), BootP, DHCP, DNS, SNTP, SNMP, SFTP).

An integrated Webserver provides user configuration options, while displaying controller's status information.

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

A data memory of 8 MB is available.

The 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.

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### Technical Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Item No.</th>
<th>Pack. Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>EtherNet/IP</td>
<td></td>
</tr>
<tr>
<td>Ethernet protocols</td>
<td>HTTP(S), BootP, DHCP, DNS, SNTP, ISFTP, SNMP</td>
<td></td>
</tr>
<tr>
<td>CPU</td>
<td>32 bits</td>
<td></td>
</tr>
<tr>
<td>Visualization</td>
<td>WebVisu</td>
<td></td>
</tr>
<tr>
<td>Programming environment</td>
<td>WAGO-I/O-PRO V2.3 (based on CODESYS V2.3)</td>
<td></td>
</tr>
<tr>
<td>Programming languages per IEC</td>
<td>61131-3</td>
<td>IL, LD, FBD, CFG, ST, FC</td>
</tr>
<tr>
<td>Baud rate</td>
<td>10/100 Mbit/s</td>
<td></td>
</tr>
<tr>
<td>Transmission medium</td>
<td>Twisted Pair S-UTP, 100 Ω; Cat. 5; Line length (max.): 100 m</td>
<td></td>
</tr>
<tr>
<td>Transmission performance</td>
<td>Class D per EN 50173</td>
<td></td>
</tr>
<tr>
<td>No. of controllers connected to master</td>
<td>Limited by ETHERNET specification</td>
<td></td>
</tr>
<tr>
<td>Type of memory card</td>
<td>SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO 758-879/000-001 Memory Card)</td>
<td></td>
</tr>
<tr>
<td>SD card slot</td>
<td>Push-push mechanism, sealing cover lid</td>
<td></td>
</tr>
</tbody>
</table>

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### Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Item No.</th>
<th>Pack. Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAGO-I/O-PRO V2.3, RS-232 kit</td>
<td>759-333</td>
<td>1</td>
</tr>
<tr>
<td>SD memory card, 2 GB</td>
<td>758-879000-001</td>
<td>1</td>
</tr>
<tr>
<td>Mini-WSB Quick Marking System, plain</td>
<td>248-501</td>
<td>50</td>
</tr>
</tbody>
</table>

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### Approvals

- Conformity marking
  - CE
  - Marine applications DNV GL
  - E175199 Ordinary Locations
  - TÜV 14 ATEX 148929 X
  - IECEX TUN 14.0035 X
  - UL E198726 Hazardous Locations

- 758-879/000-001 Memory Card >> 26.02.19

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Email: info@wago.com
www.wago.com
### Technical Data

- **Number of modules per node (max.)**: 250
- **Number of modules without bus extension (max.)**: 64
- **Configuration options**: WAGO-I/O-CHECK; Web-Based Management; CODESYS Library
- **Input and output process image (internal) max.**: 1020 words
- **Program memory**: 8192 KB
- **Data memory**: 8192 KB
- **Non-volatile memory (software)**: 32 KB
- **Indicators**: LED (LINK/ACT) green: Network connection, red/green: Status of node, network; LED (I/O, USR) red/green/orange: Local bus status, programmable by user; LED (A, B) green: System power supply status, field supply
- **Supply voltage (system)**: 24 VDC (-25 ... 30 %); via wiring level (CAGE CLAMP® connection)
- **Total current (system supply)**: 1700 mA
- **Input current (typ.) at nominal load (24 V)**: 500 mA
- **Power supply efficiency (typ.) at nominal load (24 V)**: 90 %
- **Current consumption – system supply (5 V)**: 440 mA
- **Supply voltage (field)**: 24 VDC (-25 ... 30 %); incoming via wiring level (CAGE CLAMP® connection); 24 VDC, outgoing via power jumper contacts
- **Isolation**: 500 V (system/supply)
- **Number of outgoing power jumper contacts**: 3
- **Current carrying capacity (power jumper contacts)**: 10 A

### General Specifications

- **Connection technology: communication/fieldbus**
  - EtherNet/IP: 2 x RJ-45
- **Connection technology: system/field supply**
  - CAGE CLAMP®
- **Conductor cross sections**: 0.08 ... 2.5 mm² / 28 ... 14 AWG
- **Strip length**: 8 ... 9 mm / 0.31 ... 0.35 inch
- **Dimensions W x H x D (mm)**: 61.5 x 64.7 x 100
- **Height from upper-edge of DIN-rail**:
- **Mounting type**: DIN-35 rail
- **Color**: Light gray
- **Housing material**: Polycarbonate, polyamide 6.6
- **Weight**: 151.7 g
- **Surrounding air temperature (operation)**: 0 ... 55 °C
- **Surrounding air temperature (storage)**: −40 ... +85 °C
- **Protection type**: IP20
- **Pollution degree**: 2 per IEC 61131-2
- **Operating altitude**: 0 ... 2000 m
- **Mounting position**: Any
- **Relative humidity (without condensation)**: 95 %
- **Vibration resistance**: 4g per IEC 6068-2-6
- **Shock resistance**: 15g per IEC 6068-2-27
- **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 6068-2-42 and IEC 6068-2-43