The 750-832 BACnet/IP Controller connects the WAGO-I/O-SYSTEM to the BACnet protocol and supports the B-BC BACnet device profile per DIN EN ISO 16484-5. It communicates with other BACnet devices via BACnet/IP.

The controller provides the following functionalities:

1. Native server: For each channel, appropriate BACnet objects are generated automatically for the digital and analog I/O modules that are connected to the controller.
2. Application server: Other supported BACnet objects can be created via the IEC 61131-3 programming environment and made available to a BACnet network.
3. Application client: Using the client functionality, objects and their properties can be accessed by other BACnet devices.

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).

### Technical Data

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<tr>
<th>Description</th>
<th>Item No.</th>
<th>Pack.</th>
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<tr>
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<td>Download: <a href="http://www.wago.com">www.wago.com</a></td>
<td></td>
</tr>
<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>758-879/000-001</td>
<td>1</td>
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<tr>
<td>WAGO Quick Marking System Mini-WSB; plain</td>
<td>248-501</td>
<td>50</td>
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### Description

- **Controller BACnet/IP; G4; 2xETH; SD**: 750-832
- **Controller BACnet/IP; G4; 2xETH; SD; Eco**: 750-832/000-002

### Accessories

- **WAGO BACnet Configurator**: Download: www.wago.com
- **WAGO-I/O-PRO V2.3, RS-232 Kit**: 759-333
- **SD Memory Card, 2 GB**: 758-879/000-001
- **WAGO Quick Marking System Mini-WSB; plain**: 248-501

### Approvals

- **Conformity marking**: CE
- **BACnet approvals**: Pending
- **WSPCert certification**: Pending
- **BTL listing**: Pending

### BACnet device profile

- **B-BC (BACnet Building Controller)**
- **BACnet revision**: 12

### Conformity marking

- **CE**
**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 (internal) process image (max.)** 1020 words / 1020 words
- **Program memory** 8192 KB
- **Data memory** 8192 KB
- **Non-volatile memory (software)** 32 KB
- **Indicators**
  - Green LED (LINK/ACT): Network connection via ports 1 … 2; Red/green LED (MS/BT, NS): Status of node, network; Red/green/orange LED (I/O, USR): Local bus status, status programmable by user; Green LED (A, B): Status of system power supply, 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** BACnet/IP, Modbus (TCP, UDP):
  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 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