The 750-330 BACnet/IP Fieldbus Coupler connects the modular WAGO-I/O-SYSTEM to the BACnet protocol and supports the B-BC BACnet device profile per DIN EN ISO 16484-5. The coupler communicates with other BACnet devices via BACnet/IP.

For each channel, appropriate BACnet objects are generated automatically for the digital and analog I/O modules that are connected to the fieldbus coupler (native server). The use of function, technology, and communication modules is not supported by the device.

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.

The coupler is designed for fieldbus communication in both BACnet/IP and MODBUS networks. An integrated Webserver provides user configuration options, while displaying coupler’s status information.

The 750-330 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 coupler to another. The memory card can be accessed via FTP and be used as an additional drive.

The maximum number of supported BACnet objects is 256. BACnet networks are configured and commissioned using the Windows-compliant WAGO BACnet Configurator.

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<td>BACnet/IP Fieldbus Coupler</td>
<td>750-330</td>
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**Technical Data**

- **Number of fieldbus nodes on master (max.):** Limited by ETHERNET specification
- **Transmission medium:** Twisted Pair S-UTP
- **Baud rate:** 10/100 Mbit/s
- **Transmission performance:** Class D per EN 50173
- **Connection technology:** Fieldbus input/output 2 x RJ-45
- **Protocols:** BACnet/IP; MODBUS (TCP/UDP); HTTPS; BootP; DHCP; DNS; FTP; SNMP
- **SD card slot:** Push-push mechanism
- **Type of memory card:** SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO 758-879/000-001 Memory Card)
- **BACnet device profile:** B-BC (BACnet Building Controller)
- **BACnet revision:** 1.12

**Accessories**

- **WAGO BACnet Configurator:** Download: www.wago.com
  - Item No.: 758-879/000-001
- **SD Memory Card, 2 GB:** 758-879/000-001
- **Mini-WSB Quick Marking System:** 248-501

**Approvals**

- **Conformity marking:** CE
### Technical Data

- **Number of I/O modules per node (max.)**: 99
- **Number of I/O modules without bus extension (max.)**: 64
- **Configuration**: Via PC
- **Flash**: 4.5 MB
- **Supply voltage (system)**: 24 VDC (−25...+30 %)
- **Input current (typ.) at nominal load (24 V)**: 500 mA
- **Power supply efficiency (typ.) at nominal load (24 V)**: 90 %
- **Current consumption (system supply)**: 450 mA
- **Total current (system supply)**: 1700 mA
- **Isolation**: 500 V (system/supply)

### General Specifications

- **Ambient temperature (operation)**: 0...+55 °C
- **Connection technology**: CAGE CLAMP®
- **Conductor range**: 0.08...2.5 mm² / 28...14 AWG
- **Strip lengths**: 8...9 mm / 0.33 inch
- **Dimensions W x H x D**: 61.5 x 71.9 x 100 mm
- **Weight**: 161.8 g
- **Ambient temperature (storage)**: −25...+85 °C
- **Relative humidity**: 95 % (non-condensing)
- **Vibration resistance**: Per IEC 60668-2-6
- **Shock resistance**: Per IEC 60668-2-27
- **Protection type**: IP20
- **EMC immunity to interference**: Per EN 61000-6-2
- **EMC emission of interference**: Per EN 61000-6-3