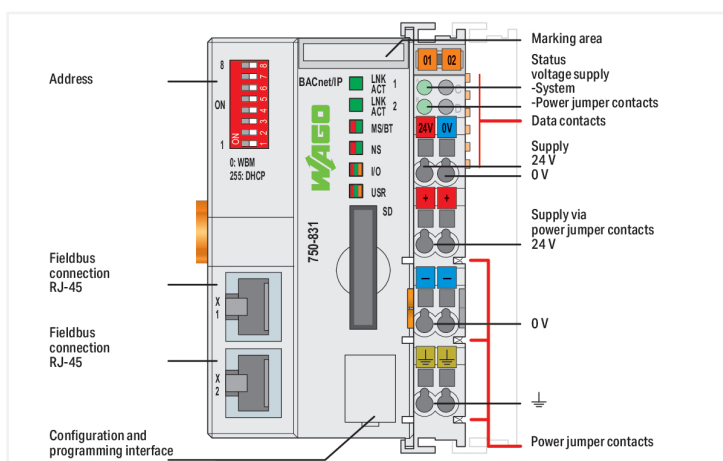


Color: ■ light gray



The 750-831 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 three 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 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).

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

An integrated Webserver provides configuration options to the user, 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 750-831 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.

750-831/000-002 Controllers support a maximum of 256 BACnet objects. Start-up and configuration of the BACnet networks is performed using the WAGO BACnet Configurator's Windows software.

Material data

Color	light gray
Fire load	3.103 MJ
Weight	162.3 g

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143408417
Customs tariff number	85371091990
End of Sale	2019-12-15
End of Production	2019-12-20
End of Delivery	2019-12-30
End of Service and Repair	2021-12-14

Product Classification

UNSPSC	43222605
eCl@ss 10.0	27-24-26-07
eCl@ss 9.0	27-24-26-07
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	12060-00-3 1303-86-2 1317-36-8 25550-51-0 693-98-1 7439-92-1 79-94-7 80-43-3
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 2-methylimidazole 4-Methyl-1,2-cyclohexanedicarboxylic anhydride Diboron trioxide Lead Lead monoxide Lead titanium oxide (PbTiO ₃) Peroxide, bis(1-methyl-1-phenylethyl)
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	9a3b19e8-9897-4934-af97-d05f33e72013
SCIP notification number (Belgium)	afdf3732-11c3-453a-8b5b-50d58a21bc56
SCIP notification number (Bulgaria)	496bcdec-824c-4d35-a52c-3cefe827f1ca
SCIP notification number (Czech Republic)	ac8c869b-17b2-4c6f-b0ba-f80b6deec2d7
SCIP notification number (Denmark)	e367e887-2282-49ed-a0bf-387d47770ce5
SCIP notification number (Finland)	fc0689cc-bf4a-4bd1-b529-4f680932323a
SCIP notification number (France)	275e1012-4f0d-4715-a214-33b95aa17b5e
SCIP notification number (Germany)	b0784464-7b3e-464f-b5cb-53ec5bcddd8
SCIP notification number (Hungary)	74aa22a7-7a8d-4cbb-bd99-66e62709d023
SCIP notification number (Italy)	c0585bd7-9f4e-4e49-bb36-0b3369a72020
SCIP notification number (Netherlands)	d6a0ae35-17be-4a9a-b297-5f570c82c04b
SCIP notification number (Poland)	24c6d181-6667-466a-852b-892f5680500b
SCIP notification number (Romania)	25c8c077-a2af-4ba7-b0df-c8377df51a05
SCIP notification number (Sweden)	f4f97fbb-a1a0-4f86-8131-6851a15fa9fe

Approvals / Certificates

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 750-831/000-002

Documentation

Manual			
Product Manual WAGO BACnet Configurator	1064596107 14 en- US 2026-02-23 15:37 27.02.2026	pdf 6755.78 KB	
Product Manual BAC- net/IP Programmable Fieldbus Controller	V 1.3.0	pdf 14699.30 KB	

Compatibility Information		
750-831/000-002 BAC- net Testing Laborato- ries Product Listing	pdf 82.18 KB	
750-831/000-002 BAC- net Conformance Certi- ficate	pdf 1149.86 KB	

Bid Text			
750-831/000-002	19.02.2019	xml 8.40 KB	
750-831/000-002	10.07.2017	doc 35.00 KB	

CAD/CAE-Data

CAD data
2D/3D Models 750-831/000-002

CAE data
EPLAN Data Portal 750-831/000-002
ZUKEN Portal 750-831/000-002

Runtime Software

Firmware

0750-0831/0000-0002, V 17 Controller BACnet/IP	04.09.2024	zip 2358.87 KB	
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Libraries

Library

Libraries for Building Automation CODESYS 2.3	2025-01-30 30.01.2025	zip 71441.83 KB	
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1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



Item No.: 750-979/000-011
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief



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



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



Item No.: 750-979/000-022
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief



Item No.: 750-977/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22



Item No.: 750-978/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief



Item No.: 750-977/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24



Item No.: 750-978/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief



Item No.: 750-977/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22



Item No.: 750-978/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief



Item No.: 750-977/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24



Item No.: 750-978/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief



Item No.: 750-975
ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

1.1.2 Communication

1.1.2.1 Communication cable



Item No.: 750-923/000-001
Configuration cable; USB connector; Length: 5 m

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

Current addresses can be found at: www.wago.com