



The Wireless Access Point enables wireless access to a machine or system. This wireless transmission can be performed via WLAN (IEEE802.11a/b/g/d/n/r), *Bluetooth*® or *Bluetooth*® Low Energy in different operating modes. For example, a tablet or smartphone can be used to access the control system of a machine via a radio connection. The device can also be configured to integrate a machine or system into an existing wireless network (e.g., WLAN network) as a client. In the third main operating mode, a wireless transmission link for ETHERNET protocols (e.g., PROFINET, Modbus/TCP, EtherNet/IP™) can be established between two devices. In this gateway mode, the device is used as a cable substitute to create a robust, industry-proven *Bluetooth*® or WLAN link between two automation devices.

The Wireless Access Point is designed for through-panel mounting (cut-out = 50.5 mm) in the control cabinet. The Wireless Access Point is inserted through the panel cut-out and screwed from the opposite side via M50 nut. Wiring is performed inside the control cabinet. The external side of the housing meets the IP67 protection class.

**Note:**

The Wireless Access Point is compatible with the Wireless ETHERNET Gateway. These devices can be used jointly in a network.

**Technical data**

Security encryption	<i>Bluetooth</i> ® 2.1: NIST-compliant; FIPS-approved (authentication and authorization, encryption and data security, privacy and discretion); <i>Bluetooth</i> ® 4.0 (Low Energy): AES-CCM encryption
Radio technology	<i>Bluetooth</i> ® 2.1 <i>Bluetooth</i> ® 4.0 (Low Energy) WLAN: IEEE 802.11 a, b, g, n, d, r
Frequency band	ISM band, 2.4 GHz ( <i>Bluetooth</i> ®, WLAN); ISM band, 5 GHz (WLAN)
Security authentication	WLAN: WEP 64/128; WPA; WPA-PSK and WPA2; TKIP and AES/CCMP; LEAP; PEAP including MS-CHAP
Transmission range	up to 200 m
Antenna	Internal 2.4 GHz and 5 GHz broadband antenna
Configuration options	Web-Based Management
Supply voltage	19 ... 36 VDC

**Connection data**

Connection technology: communication/fieldbus	1 x RJ-45
Connection technology: supply	1 x Female connector; 3-pole

**Environmental requirements**

Ambient temperature (operation)	-40 ... +65 °C
Ambient temperature (storage)	-40 ... +85 °C
Protection type	IP67
Note on protection type	Top (outside of unit): IP66/IP67/UL NEMA 4X ; Base (inside of unit): IP21

**Approvals / Certificates****General approvals**

Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

**Declarations of conformity and manufacturer's declarations**

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

Approvals for hazardous areas



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCA- TIONS)	UL 121201	E198726