

Item description

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.

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Data

Notes

Note

The maximum range in the field decreases with use in buildings and changes depending on the building materials used and the spatial geometry. Therefore, range specifications within buildings can only represent a typical value that can normally be achieved. More detailed information is available in the manual.

Technical data

Security encryption

Bluetooth® 2.1: NIST-compliant; FIPS-approved (authentication and authorization, encryption and data security, privacy and discretion);
Bluetooth® 4.0 (Low Energy): AES-CCM encryption

Radio technology

Bluetooth® 2.1
Bluetooth® 4.0 (Low Energy)
Bluetooth® 2.1
Bluetooth® 4.0 (Low Energy)
WLAN: IEEE 802.11 a, b, g, n, d, r

Frequency band

ISM band, 2.4 GHz (*Bluetooth*®, 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

Physical data

Height

75 mm

Mechanical Data

Mounting type

M50 through-panel installation (cut-out = 50.5 mm)

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Material data

Weight	84 g
Conformity marking	CE

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

Commercial data



ETIM 8.0	EC000816
ETIM 7.0	EC000816
PU (SPU)	1 pcs
Packaging type	BOX
Country of origin	SE
GTIN	4066966110579
Customs tariff number	85176200000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	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

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Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Downloads

Documentation

Manual

Product Manual Wireless Access Point	V 1.0.0 2020 Nov 30	pdf 4.6 MB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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System Description

Radio Technology – General Product Information		pdf 505.3 kB	Download
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Runtime Software

Firmware

0758-0918/0919, Wireless-ETHERNET-Gateway WAGO_FW0758-091x_V020603_IX07_H	V 07 2022 Jul 19	zip 1.3 MB	Download
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CAD/CAE-Data

CAD data

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2D/3D Models 758-919	URL	Download
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CAE data

ZUKEN Portal 758-919	URL	Download
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EPLAN Data Portal 758-919	URL	Download
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Asset Administration Shell

Asset Administration Shell 758-919	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 758-919	URL	Download
Wireless Access Point		

Installation Notes

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