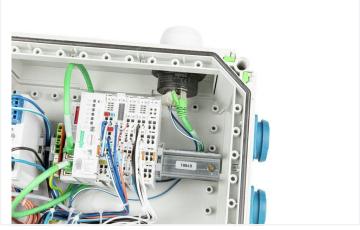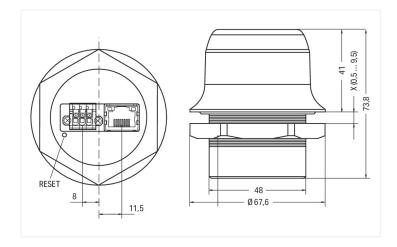# Data Sheet | Item Number: 758-919
Wireless Access Point
https://www.wago.com/758-919

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.

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) 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)

Material Data

Fire load	0 MJ
Weight	84 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-40 … +65 °C
Surrounding air 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
Country of origin	SE
GTIN	4066966110579
Customs tariff number	85176200000

Approvals / Certificates

General approvals

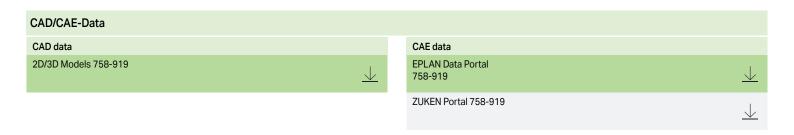| Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs-stelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19
UL Underwriters Laboratories Inc. (ORDINARY LOCATI-ONS)	UL 61010-2-201	E175199

Approvals for hazardous areas

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 758-919	↓

Documentation

Manual

Product Manual Wire-less Access Point	V 1.0.0 26.11.2020	pdf 4566.81 KB	↓

System Description

Radio Technology – Ge-neral Product Informati-on	pdf 493.44 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 758-919	↓

CAE data

EPLAN Data Portal 758-919	↓
ZUKEN Portal 758-919	↓

Runtime Software

Firmware

0758-0918/0919, Wire-less-ETHERNET-Gate-way	V 07 19.07.2022	zip 1306.80 KB	↓

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

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