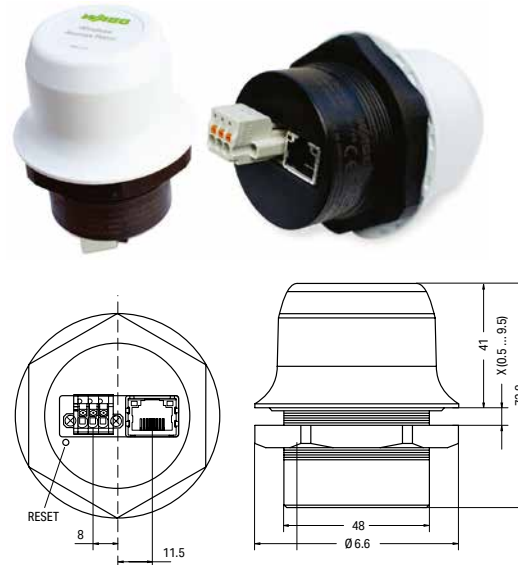


## Wireless Access Point



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.

Description	Item No.	PU
Wireless Access Point	758-919	1
<b>Approvals</b>		
Conformity marking	CE	
UL 61010 E198726		
FCC		
IC: 5325A-0965, for indoor use only (5 GHz)		
<b>Technical Data</b>		
Connectors	RJ-45; 10/100BASE-T (Auto MDI/MDIX & cross-over detection); PoE supply: 44 ... 57 VDC; DTE type 1 per IEEE 802.3af	
Dimensions	Height: 75 mm (91 mm with connector) Outside height: 41 mm; Diameter: 68 mm	
Weight	84 g	
Surrounding air temperature (operation)	-40 ... +65 °C	
Surrounding air temperature (storage)	-40 ... +85 °C	
Protection type	Top (outside of unit): IP66/IP67/UL NEMA 4X; Base (inside of unit): IP21	
Mounting	M50 through-panel installation (cut-out = 50.5 mm)	
*The maximum range in the field decreases within buildings and varies depending on building materials and 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	
Wireless 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)
ETHERNET protocols	IP; TCP; UDP; HTTP; LLDP; ARP; DHCP Client/Server; DNS support; Transparent transmission of PROFINET IO; EtherNet/IP™; Modbus-TCP or another TCP/UDP-based protocol
Antenna	Internal broadband antenna for 2.4 GHz and 5 GHz
Transmission range	Up to 200 m in open air*
Power supply	19 ... 36 VDC
Power consumption (max.)	1.7 W
Configuration	Web-Based Management
<b>WLAN</b>	
Transmitter power	15 dBm EIRP
Operating modes	Wireless Access Point, Wireless Client or Gateway Mode
Communication standards	IEEE 802.11 a, b, g, n, d, r
Maximum number of clients	7
Data rate (net) (max.)	65 Mbit/s
Security	WEP 64/128; WPA; WPA-PSK and WPA2; TKIP and AES/CCMP; LEAP; PEAP including MS-CHAP
<b><i>Bluetooth</i>® 2.1</b>	
Transmitter power	11 dBm EIRP
Supported profiles	PAN (PANU & NAP)
Operating modes	Access Point, Client or Gateway Mode
Maximum number of clients	7
Data rate (net)	1 Mbit/s
Security	NIST-Compliant; FIPS-Approved (authentication and authorization, encryption and data security, privacy and discretion)
<b><i>Bluetooth</i>® 4.0 (Low Energy)</b>	
Transmitter power	7 dBm EIRP
Supported profiles	GATT
Operating modes	Central device
Maximum number of clients	7
Data rate (net)	200 Kbit/s
Security	AES-CCM encryption