Data Sheet | Item Number: 758-918/000-001

WLAN ETHERNET Gateway

https://www.wago.com/758-918/000-001





Power connector:
M12 plug, A-coded



1: Vin + (9 ... 30 VDC)
2: Digital input GND
3: Vin GND (0 V)
4: Digital input + (9 ... 30 VDC)
5: Functional ground

ETHERNET connector:
M12 socket, D-coded



1: Transmit +
2: Receive +
3: Transmit -
4: Receive -

The Wireless ETHERNET Gateway simplifies the creation of a wireless transmission link for ETHERNET protocols (e.g., PROFINET, Modbus/TCP, EtherNet/IP).

This gateway is used as a cable substitute to create a robust, industry-proven Bluetooth® or WLAN link between two automation devices.

The gateways support various configurations and can therefore also be operated as an access point.
IP65 protection type and an external antenna allow installation of the Wireless ETHERNET Gateway within a conductive housing. The external antenna must be mounted on the outside of the housing. Simple push-button operation rapidly connects two Wireless ETHERNET Gateways.

Additional settings can be made via Web-Based Management.

Note:

Two Wireless ETHERNET Gateways of the same type are required to establish a peer-to-peer connection.
This version has no internal antenna.

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	none, WEP64, WEP128, TKIP, AES/CCMP
Radio technology	*Bluetooth*®: 4.0 WLAN: 802.11a/b/g/d/e/i/h
Frequency band	ISM band, 2.4 GHz (*Bluetooth*®, WLAN); ISM band, 5 GHz (WLAN)
Topology	Peer-to-peer connection
Security authentication	WPA/WPA2 PSK, LEAP, PEAP
Transmission range	up to 400 m
Antenna	External dipole antenna (3dBi)
Number of inputs	1 (trigger input: 9 … 30 VDC)
Configuration options	Push-button operation Web-Based Management
Supply voltage	24 VDC (9 … 30 V)

Connection Data

Connection technology: communication/fieldbus	ETHERNET: 1 x M12 socket; B-coded
Connection technology: supply	1 x M12 plug; A-coded

Physical data

Width	67.8 mm / 2.669 inches
Height	33.2 mm / 1.307 inches
Depth	92.7 mm / 3.65 inches

Material data

Weight	120 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-30 … +65 °C
Ambient temperature (storage)	-40 … +85 °C
Protection type	IP65

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	SE
GTIN	4066966802528
Customs tariff number	85176200000

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Product Classification

UNSPSC	43222643
ETIM 9.0	EC001099
ETIM 10.0	EC001099
ECCN	5A992.C

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
KC National Radio Research Agency	Article 58-2, Clause 3	R-R-W43-WLAN758

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 LOCATIONS)	UL 121201	E198726

Downloads

Environmental Product Compliance

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758-918/000-001

Documentation

Manual

Product Manual Wireless ETHERNET Gateway	V 1.0.2	pdf 6781.36 KB

System Description

Radio Technology – General Product Information	pdf 493.44 KB

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Bid Text			
758-918/000-001	23.11.2018	doc 28.00 KB	
758-918/000-001	19.02.2019	xml 5.47 KB	

Application Notes

Application note, other			
WLAN ETHERNET Gateway Release IX08 (V3.0.2) and Cybersecurity	1.0.0 19.08.2025	pdf 930.24 KB	

Runtime Software

Firmware			
0758-0918/0919, Wireless-ETHERNET-Gateway	V 07 19.07.2022	zip 1306.80 KB	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



Item No.: 750-976
PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

1.1.1.2 ETHERNET/PROFINET cable



Item No.: 756-1201/060-020
ETHERNET cable; M12D plug; straight; 4-pole; Length: 2 m

1.1.1.3 Power cable



Item No.: 756-3102/040-020
Power cable; M12A socket; angled; 4-pole; Length: 2 m