



The EnOcean® RS-485 Gateway integrates maintenance-free, battery-free and wireless sensors/actuators based on EnOcean® wireless technology (ISO/IEC 14543-3-1x) into intelligent control systems such as the WAGO I/O System.

This gateway communicates with the remote station via RS-485 interface and ESP3 telegrams (EnOcean®) or via Modbus® protocol.

It may be mounted directly to the ceiling or wall. The device can also be mounted on a DIN-rail via an integrated adapter.

The gateway has an internal antenna and also has a connector for an optional external antenna.

Technical data

Communications	RS-485 interface
Device-specific	Number of devices that can be connected in series in Modbus mode: max. 10; ESP3 mode: 1:1 connection
Radio technology	EnOcean
Frequency band	868 MHz
Transmission range	approx. 30 m within buildings; > 100 m in open space
Antenna	internal (external antenna optional via SMA socket)
Transmission rate	9.6 ... 115.2 kBd
Data width	50 bytes
Overvoltage category	III

Connection Data

Connection technology: communication/fieldbus	1 x RS-485 connection: 5-pole, 2-conductor compact PCB connectors with PUSH WIRE® (252-155 is included)
Connection technology: supply	1 x 2-pole, 2-conductor compact PCB connectors with PUSH WIRE® (252-152 is included)
Connection technology: antenna	1 x SMA socket for external antenna
Connectable conductor materials	Copper
Connection type	Communication
Solid conductor	0.4 ... 0.8 mm ² / 26 ... 20 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inches
Connection type	Power supply
Solid conductor	0.4 ... 0.8 mm ² / 26 ... 20 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inches

Physical data

Width	95 mm / 3.740 inches
Height	36 mm / 1.417 inches
Depth	95 mm / 3.740 inches
Diameter	95 mm

Material data

Fire load	0 MJ
Weight	97 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-20 ... +85 °C
Protection type	IP30
Pollution degree	2 per EN 60664-1, EN 61131-2
Mounting position	Horizontal left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-3 + A1

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966154894
Customs tariff number	84733080000

Product Classification

UNSPSC	43222628
ETIM 9.0	EC001604
ETIM 10.0	EC001604
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8 7439-92-1 80-43-3
REACH Candidate List Substance	Diboron trioxide Lead Lead monoxide Peroxide, bis(1-methyl-1-phenylethyl)
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	f38f953b-acc6-4140-9cfc-3cc89b20d806
SCIP notification number (Belgium)	7efbf432-0309-4ecf-902e-849c230e121d
SCIP notification number (Bulgaria)	db79e5c5-c50c-421f-af56-a44f476e877c
SCIP notification number (Czech Republic)	ffc70deb-95a2-42e9-88c8-118ddcbe5a41
SCIP notification number (Denmark)	7e1e2149-d9a8-4aa2-b82f-b374c1720246
SCIP notification number (Finland)	03ca7456-32c9-432d-b88e-71d6609472fe
SCIP notification number (France)	a652e5b9-9cfa-457d-b786-a9ff0fdabdc4
SCIP notification number (Germany)	8e9f1628-6619-44d9-8934-f2d421821616
SCIP notification number (Hungary)	4beca8d8-d1eb-4df2-9aa6-950f0fb40a23
SCIP notification number (Italy)	ecb5dcfe-994a-47fd-bb41-1aab19c12e63
SCIP notification number (Netherlands)	56eeff61-2e4e-4387-b679-b19565e20406
SCIP notification number (Poland)	d2e22828-db60-4780-8021-5e37d79451d7
SCIP notification number (Romania)	0f2c93a7-04e3-47d6-a93d-5ec70048efa8
SCIP notification number (Sweden)	7af5f0a7-a7c0-4c8a-bc41-9aec7cea2ad7

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
			Approval	Standard	Certificate Name
			EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083
			Approval	Standard	Certificate Name
			EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 750-940

Documentation

Manual			
Product Manual EnOcean-RS-485-Gateway; 868 MHz	V 1.3.0 15.07.2021	pdf 2150.43 KB	↓
System Manual Series 750/753			↓

Bid Text			
750-940		xml 5.73 KB	↓
750-940		docx 29.84 KB	↓

Application Notes

Application Note e!COCKPIT			
eCOCKPIT Application Note WagoAppEnOcean	1.0.3 31.01.2023	pdf 804.01 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 750-940	↓