

# WirelessHART Fieldgate SWG70

## Intelligent WirelessHART gateway with Ethernet and RS-485 interfaces



More information and current pricing:

[www.us.endress.com/SWG70](http://www.us.endress.com/SWG70)

### Benefits:

- Easy commissioning and diagnosis of a self-organizing WirelessHART network
- Seamless integration of field device information into superior system applications with standardized protocols, such as MODBUS, EtherNet/IP, HART-IP or OPC
- Wireless configuration and administration of intelligent field devices in the plant by using FieldCare
- Flexible Fieldgate operation in ex-hazardous areas in the plant

### Specs at a glance

- **Output** Ethernet (10 BASE-T/10 BASE TX) - Configurable for HART IP and MODBUS TCP communication RS-485 serial interface - Configurable for HART Version 7.0 or MODBUS RTU communication EtherNet/IP interface
- **Display** Integral via 5 LEDs

**Field of application:** Endress+Hauser's WirelessHART Fieldgate SWG70 has been designed to act as interface between a system using Ethernet or RS-485 physical layer and WirelessHART network. The gateway is designed for mounting in explosion hazardous areas Zone 2. An integral or remote antenna can be mounted according to the needs of the application.

### Features and specifications

Wireless components

Measuring principle

WirelessHART

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## Wireless components

**Function**

Intelligent WirelessHART gateway with Ethernet and RS-485 interfaces

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**Certification**

Non-hazardous area, ATEX, IEC Ex

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**Input**

WirelessHART communication interface

Transmission rate: Nominal 250 kBits/s

Operating frequency: 2.4 GHz (ISM band)

Transmission range under reference conditions:

Outdoor 250 m, indoor 50 m

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**Output**

Ethernet (10 BASE-T/10 BASE TX)

- Configurable for HART IP and MODBUS TCP communication

RS-485 serial interface

- Configurable for HART Version 7.0 or MODBUS RTU communication

EtherNet/IP interface

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**Auxiliary power supply / Loop power supply**

20 VDC to 30 VDC

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**Dimensions (wxhxd)**

W x H x D:

257 mm x 85 mm x 285 mm with cable glands and antenna

257 mm x 85 mm x 115 mm without cable glands and antenna

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**Software**

Internal software for controlling the WirelessHART network including web interface for configuration.

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**Operation**

Integral via Pushbuttons

PC configuration:

- Web browser via Ethernet

- FieldCare via Ethernet (HART IP CommDTM) or RS-485 (S-MUX DTM)

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Wireless components

**Display**

Integral via 5 LEDs

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**Operating Voltage**

20 VDC to 30 VDC

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**Nominal current**

<5 W

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