FieldPort SWA50

Intelligent Bluetooth and/or WirelessHART adapter for any HART field device

Endress+Hauser

People for Process Automation

Your existing assets in mind

Easily retrofit any 2-wire or 4-wire HART field device with a FieldPort SWA50

Where you need it The FieldPort SWA50 enables reliable and secure wireless connectivity for monitoring measurement and diagnostics data from assets. This avoids costly wiring in brownfield plants by providing a cost-effective easy retrofitting 2-wire connection concept. Our FieldPort SWA50 empowers connected workers to do their job safely and remotely.

Intelligent Bluetooth adapter The combination of the Bluetooth version of the SWA50 with a FieldEdge SGC200 provides fast and easy connection to the Netilion Cloud and supports the use of data in various Netilion Services.

Intelligent WirelessHART adapter The WirelessHART version of the SWA50 can be easily integrated into a WirelessHART network with the Fieldgate SWG70 and connection to Netilion Services using a FieldEdge SGC500.

FieldPort SWA50 with Micropilot (level), direct mount

FieldPort SWA50 with Cerabar (pressure), remote mount

✅ Your benefits:

- Reliable transmission of the measured process values through the connected FieldPort SWA50 via encrypted Bluetooth or WirelessHART communication
- Easy to retrofit any 2-wire or 4-wire HART field device
- Easy connection of any HART field device to the Netilion Cloud
- Loop-powered adapter, without affecting the process signal
- Easily accessible, wireless, diagnostic information of connected HART field devices
- Cost-efficient solution for plant digitalization

FieldPort SWA50 with Promass (flow), direct mount

ℹ Technical data:

- Variants: direct or remote mounting
- Explosion protection: intrinsic safety (Ex ia) or protection by enclosure (Ex tb)
- Ambient temperature: -40...+70 °C
- Housing: Stainless Steel 316L
- Protection class: IP68 / NEMA 6P (24 h at 1 m under water), IP66 / NEMA 4X
- Cable glands: for shielded or unshielded cables (optional)
- Communication interface:
  - Bluetooth IEEE 802.15.1
  - WirelessHART IEC 62591
  - HART version 7.5, backward-compatible with previous versions
- Transmission frequency: 2.4 GHz (ISM band)
- Range:
  - Bluetooth - Up to 40 m without obstacles
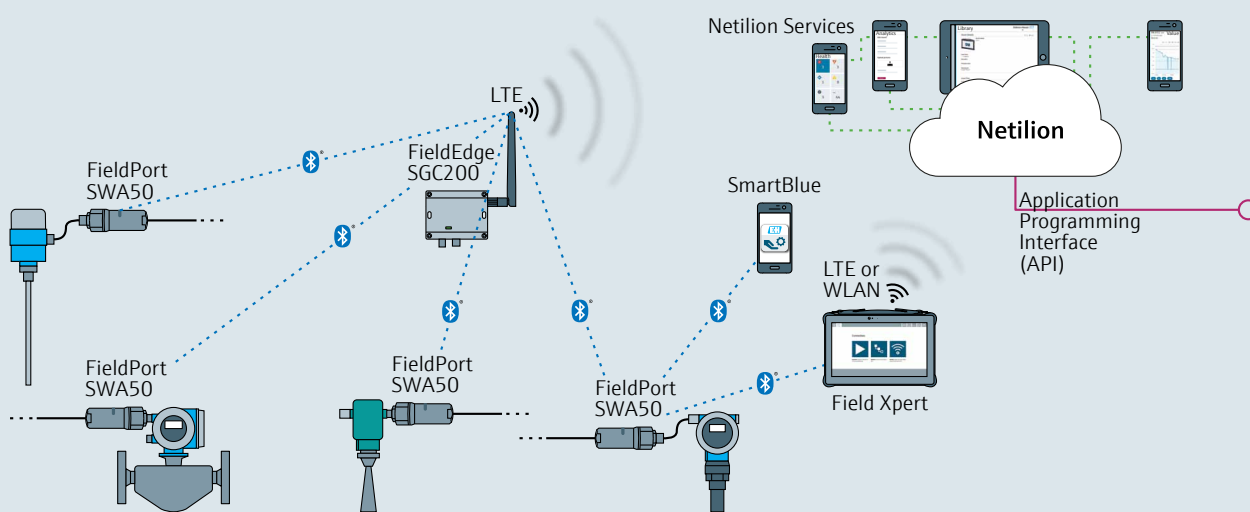 - WirelessHART - Up to 200 m without obstacles

FieldPort SWA50 with iTemp (temperature), direct mount

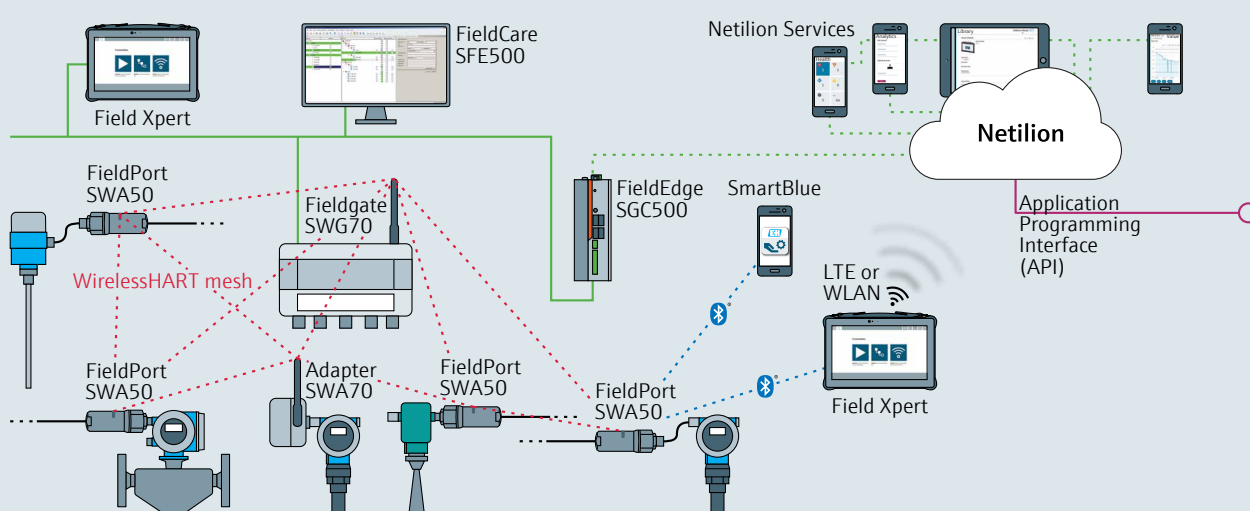# Reliable and encrypted signals

Connect your physical assets to Netilion digital services by enabling a second communication channel wirelessly monitor the assets with transparency

System architecture of the FieldPort SWA50 Bluetooth version

Bluetooth version: From the field up to the Netilion Cloud and Netilion Services using the FieldPort SWA50 with direct and remote mount

System architecture of the FieldPort SWA50 WirelessHART version

WirelessHART version: From the field up to the Netilion Cloud and Netilion Services using the FieldPort SWA50 with direct and remote mount

Now easy to reach thanks to the retrofitted FieldPort SWA50

More details:

www.endress.com/swa50

Netilion: Endress+Hauser's IIoT Ecosystem allows intelligent and networked applications to be realized around the Industrial Internet of Things.

www.netilion.endress.com

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