

Bluetooth mesh

Experience Industry 4.0



Product presentation

Product description

Bluetooth mesh



A quick and easy access to the IIoT? Yes, indeed!

With Bluetooth mesh, you can quickly and easily transmit valuable sensor data from your existing system to the IT level. Instead of spending vast amounts of time trying to squeeze excess cables through tight conduit spaces, all you need to do is create a screw connection and establish the integration into the mesh network via smartphone app.

Then you're done, thanks to Bluetooth. Now, wherever IO-Link sensors are installed, a mesh network spans the system from adapter to adapter, reaching even the furthest corner. In the network, up to 50 Bluetooth adapters communicate with each other in encrypted mode and transmit every data package, no matter how remote, to your IIoT connection.

This is how a quick and easy access to the IIoT really works. Would you like to experience that for yourself? Then get in the loop – at ifm.com/gb/BluetoothMesh



Product advantages

Bluetooth mesh for good reasons



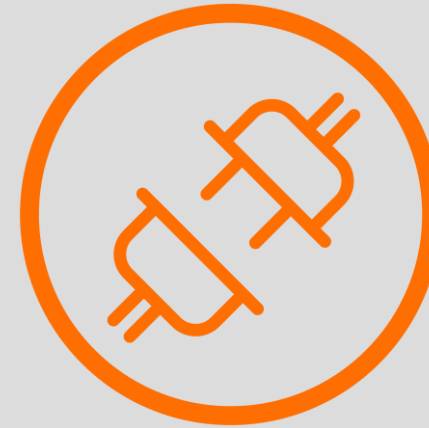
Evaluating & using data

Reading sensor data with Bluetooth mesh and processing it in an IIoT application.



Worldwide standard

Bluetooth mesh can be used with any IO-Link device, independent of the manufacturer.



No more tangled cables

System integration with reduced wiring complexity and without interfering with the control system.



Focus on technology

Integration of up to 50 devices, each with a range of up to 20 metres.



Product overview

Bluetooth mesh components

Bluetooth adapter

The adapter is placed between the IO-Link device and the cable. Using the mesh network, it transmits the process data to the base station via Bluetooth.

Base station

The base station receives the process data from the coupled adapters and transmits it to the IIoT application the customer has selected.

IIoT application

In the IIoT application, the process data can be viewed and evaluated. **The adequate software for this purpose is ifm moneo.**



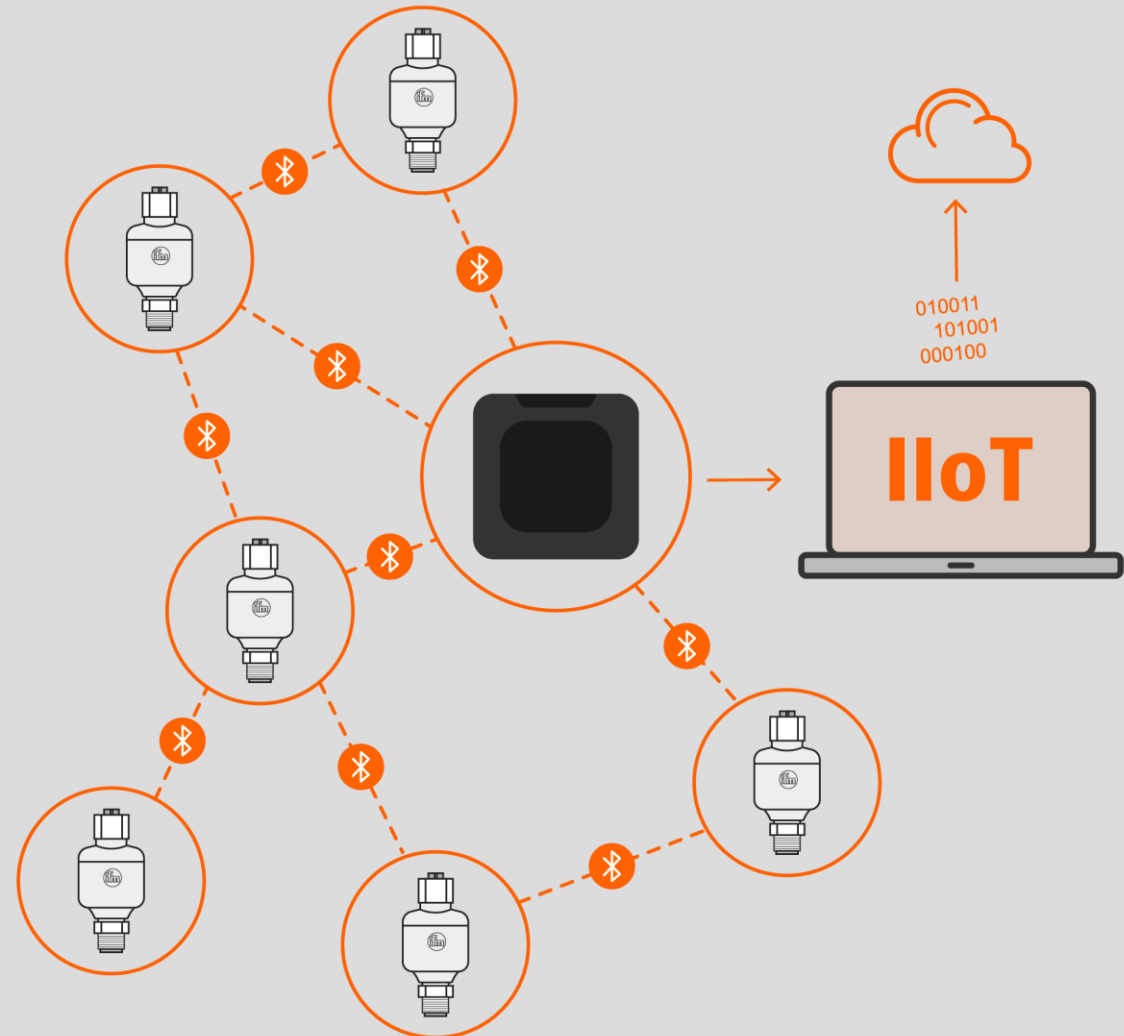
Retrofitting systems – making data usable

Retrofitting existing systems with minimal effort and gaining information from data?

All this is possible with **Bluetooth mesh**

- Sensors can be integrated with the IT level subsequently
- New nodes can be incorporated via smartphone
- Even extensive systems present no problem
- Process data can be easily evaluated at IT level

All this is possible without additional wiring and without interfering with the control system.



Good to know

Creating added value with data

Never before has it been so easy to collect and use relevant data. With an optimum insight into the systems, you will take the right decisions for your maintenance planning and production control.

This will give you the security that the production requirements of tomorrow will be met.

Get information from data

With IIoT software such as ifm moneo, you can turn process data into clear, usable information on the condition and maintenance requirements of a machine, on ways to save energy and much more.

A convincing solution. Isn't it?



Bluetooth mesh

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