

Supported protocols

Sensor Insights

Sensor Insights works with Open Technologies and Standards, making it easier to manage all of your sensors and gateways in one place, minimize disruption to existing infrastructure, and enable greater flexibility in IoT equipment used.

	Bluetooth Low Energy	LoRaWan	IO-Link*
What it is	Bluetooth Low Energy (Bluetooth LE, BLE) is a <u>wireless personal area network</u> aimed at applications in the healthcare, <u>fitness</u> , <u>beacons</u> , security, and home entertainment industries	The LoRaWAN® specification is a Low Power, Wide Area (LPWA) networking protocol designed to wirelessly interconnect battery operated 'things' to the internet in regional, national or global networks for IoT use cases.	IO-Link is the first standardised IO technology worldwide (IEC 61131-9) for the communication with sensors and also actuators.
Range	~10-50 meters (30 -150 feet)	~ 2 to 10 miles	Up to 20 meters (600 ft)
Governing body	Bluetooth Special Interest Group (Bluetooth SIG)	Lora Alliance - over 500 members	International Electrotechnical Commission (IEC)
Industries	<ul style="list-style-type: none">• Manufacturing and distribution• Construction & field services• Agriculture & food services• Healthcare	<ul style="list-style-type: none">• Transportation and logistics• Utilities• Agriculture & food services• Real estate & facilities	<ul style="list-style-type: none">• Manufacturing• Industrial environments
Use cases	<ul style="list-style-type: none">• Asset tracking• Environmental monitoring (temperature, pressure, humidity)• Employee safety• Access security monitoring	<ul style="list-style-type: none">• Asset tracking• Cold chain• Remote patient monitoring• Smart buildings	<ul style="list-style-type: none">• Condition monitoring• Signal evaluation• Consumption measurement• Efficiency monitoring

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