

Meazon MultiSense module

A device that transforms any existing industrial digital or analog sensor into an IoT type of infrastructure using Zigbee, WiFi or NB-IoT to wirelessly communicate data to Meazon's Cloud data aggregation service and then making it available to any analytics or AI application.

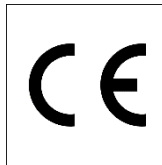
Description

When you have a sensor with some of the most common industrial interfaces in the market today, such as 4-20mA or 0-10V Meazon can bring those sensors' data or alarms to your mobile phone or web app. In case you need to proceed with actions there are two output signals up to 4A for control purposes. One more product on our portfolio with sensing, processing, control and networking capabilities, a Cyber Physical system.

It is designed to operate with nearly any power supply and communicate with some of the most common wireless protocols in the market today even with no interaction with the customer's networking infrastructure using a mobile connection. With our international roaming build-in SIM chip/card the communication cost for 10 years is included in the module's purchase price.

Meazon's MultiSense can be thought of as the swiss knife for sensor networks. Ideal for acquiring data from existing analog or digital industrial sensors and making it available to Meazon's Cloud data aggregation service for further use from analytics or AI type of apps. Protects industrial sensors investments and transforms them into IOT type of infrastructure.

Architecture	Zigbee Mesh Network NB-IoT LTE CAT M1
Frequency band	Zigbee: 2.4 GHz NB-IOT: 20, 8, 3 LTE M1 : 13, 12, 5, 4, 2
Minimum Data reporting interval	1 Second (default 1 minute)
Data storage in the device	Yes
Security mechanism	AES encryption 128 bits, VPN for NB-IoT



Power supply options	120-240VAC, 50-60Hz 12VDC
Man-machine interface	Indication leds USB RS 485
Operating environment	Temperature: -20° C to 60° C Relative Humidity: 10% to 90% (RH), non-condensing
Support up to 6 external sensors	4-20mA or 0-10V
Output Relay	2 X 4A each
Dimensions in mm	89x89x30

