WISESAT XL

Make use of IoT connectivity in remote
areas with our picosatellites and sensors

Overview

The WISeSAT XL is an IoT Device and Gateway aimed at providing secure, accessible, and reliable IoT communications anywhere. The WISeSAT XL bridges the gap between delocalized assets and decision-makers, enabling customers to monitor and control them remotely, even if they are out of the coverage of terrestrial networks.

Thanks to its flexible design that includes several options for interfaces, connectivity and mounting options, the WISeSAT XL excels in multiple applications:

COMMUNICATIONS BUBBLES

In some cases where there are already deployed IoT devices not designed to be connected by satellite, the WISeSAT XL can   be used as a concentrator, adding, and processing the data obtained by the IoT devices, sending the beneficial information through the satellite or cellular network.

INDUSTRIAL DEVICE

In other cases, WISeSAT XL can implement many sensors   thanks to its multiple standard interfaces that vary depending on the final use case (humidity, temperature, CO_2, voltage, induced current, etc.)

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KEY FEATURES

GLOBAL CONNECTIVITY WISeSAT Satellite Network, GSM or NB- IoT Connectivity for worldwide Coverage

PLUG & PLAY Register the device with WISeSAT, place outside and start today!

SENSOR OPTIONS Connect any LoRa sensors to the FOSSA-XL and use the integrated or wired sensors

FIPS 140.3 & CC EAL4+ security for devices, data & transmission.

COMMUNCATION ARCHITECTURE

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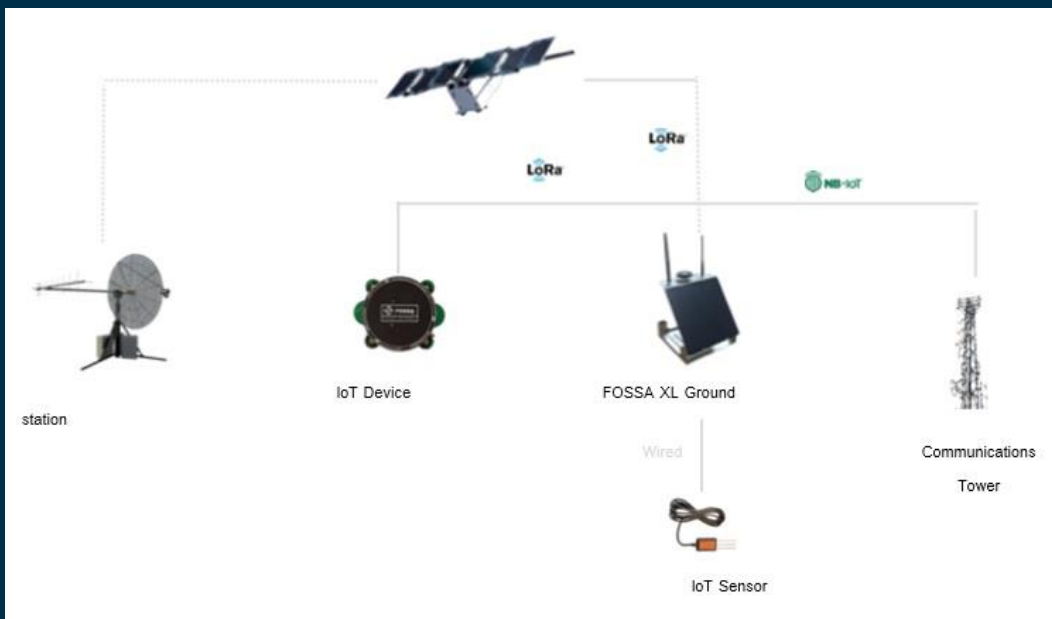

Envelope	Mass		Power Supply	Battery Life
30x30x30 cm	1.5 kg		10W Solar Panel 4x Lithium-Ion Cells (18650)	Self Sustainable,

Terrestrial Connectivity	Satellite Connectivity		Mounting Options	IP Protection
LoRa, NB-IoT, GSM 2G	UHF LoRa Bidirectional to FOSSA Network		Floor, Wall or Tripod	IP65 or better

Lifetime	External Sensors		Onboard Sensors	Debugging
5 - 10 years	Any LoRa Sensor connected to WISeSAT-XL		GPS, Temperature / Humidity and	WIFI Access Point Web Application for Debugging and Control