

# DATASHEET

# S-2CONNECT<sup>®</sup> Hub

## SPEED TO CONNECT



Industrial IoT Smart Hub and tracking device with Cellular communication, Bluetooth and On-board Sensors. Made for Global Coverage with LTE Cat M1 / NB-IoT as well as with 2G fallback.

S-2CONNECT Hub is the ultimate IoT smart hub and is using the latest technology. S-2CONNECT Hub provides real-time sensing and positioning data using GNSS and LTE Cat M1 or NB-IoT with 2G-fallback for global coverage.

### A COMPLETE SOLUTION FOR RAPID IOT DEPLOYMENT

The out-of-the-box solution can get you up and running to connect, track, sense and monitor, in minutes. S-2CONNECT devices are supplied with access to the cloud-based S-2CONNECT server system and S-2CONNECT Portal for data presentation and to S-2CONNECT Configurator for device management. It comes preloaded with SIM subscription.

The device can be used as an asset tracker, smart home gateway and/or industrial smart hub.

- ✔ **Ready to use**
- ✔ **Access to latest technology**
- ✔ **On-board sensors**
- ✔ **Cellular connectivity package provided**

### Applications



Asset tracking



Home automation



Environmental monitoring



Healthcare



Agriculture



Global Coverage



S-2CONNECT Portal

### Key Benefits

- Global coverage
- LTE Cat M1 / NB-IoT
- 2G Fall-back
- GNSS
- Bluetooth low energy
- Over-the-air (OTA) firmware updates
- Certified for EU, UK and US
- Easy to scale
- Cellular connectivity including SIM management and optional subscription plans
- Clear functional indications through 4 LEDs
- Easy to remotely configure for optimal settings

### Key Features

- Slim, sleek design, IP65
- Low power / Long battery life
- Encrypted communication
- Integral sensors – Temperature, Humidity, Acceleration
- Additionally, up to eight S-2CONNECT Sense tags can be connected to a single S-2CONNECT Hub.
- Easy to install

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## TECHNICAL SPECIFICATION

<b>Communication</b>	GNSS Cellular Modem Bluetooth GNSS Antenna Cellular Antenna BLE Antenna	Quectel L76-L Quectel BG96 BLE v4.2, compliant v5 Internal Internal Internal
<b>Frequency Bands</b>	LTE 2G GNSS BLE	1, 2, 3, 4, 5, 8, 12, 13, 18, 19, 20, 25, 28, 39 2, 3, 5, 8 GPS/GLONASS/QZSS 2.4 GHz
<b>Electrical Properties</b>	Battery Processor Memory/storage Battery Life	3.7V 6500mAh Li-Ion ARM 32-Bit STM32L4 16MB QSPI Flash Up to 12 months*
<b>Interface/Connectors</b>	Virtual COM port	USB Micro
<b>Sensors</b>	Temperature Humidity Accelerometer	-30°C to +85°C* 0 - 100% Rh* +/- 16g*
<b>Mechanical Properties</b>	Enclosure Outer Dimensions Weight Operating Temperature LED's	IP65 155mm x 65mm x 20mm 197g -30°C to +60°C (battery charging 0°C to +45°C) 4 multi-colour LEDs
<b>Software Properties</b>	Firmware protocols	Zephyr RTOS, Customized data packets to server

\* Refer to s-2connect.com for more information