

DATASHEET

S-2CONNECT® Hub

SPEED TO CONNECT



Industrial IoT Smart Hub and tracking device with Cellular Communication, Bluetooth and On-board Sensors.

S-2CONNECT Hub is the ultimate IoT smart hub providing real-time sensing and positioning data using GNSS and LTE Cat M1 or NB-IoT with 2G fall-back 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**
- ✔ **Latest technology**
- ✔ **On-board sensors**
- ✔ **Cellular connectivity package provided**



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, 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

Applications



Asset tracking



Home automation



Environmental monitoring



Healthcare



Agriculture

S-2CONNECT[®] Hub

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TECHNICAL SPECIFICATIONS

Communication	GNSS Cellular Modem Bluetooth GNSS Antenna Cellular Antenna BLE Antenna	Quectel L76-L Quectel BG96 BLE v4.2, compliant v5 Internal Internal Internal
Frequency Bands	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
Electrical Properties	Battery Processor Memory/storage Battery Life	3.7V 6500mAh Li-Ion ARM 32-Bit STM32L4 16MB QSPI Flash Up to 12 months
Interface/Connectors	Virtual COM port	USB Micro
Sensors	Temperature Humidity Accelerometer	-30°C to +85°C* 0 - 100% Rh* +/- 16g*
Mechanical Properties	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
Software Properties	Firmware protocols	Zephyr RTOS, Customized data packets to server

* Refer to the full user manual available at www.s-2connect.com for more information.