

NSnappy® Hub 4G LTE

Base station

The NSnappy® Hub LoRaWAN base station collects measurement data from wireless IoT measuring devices and transmitters and relays it to the NSnappy® service.

The NSnappy® Hub LoRaWAN base station is used to collect measurement results and transmit them to the NSnappy® service. The base station provides all of the most common internet connections in the same device (4G, Wi-Fi, Ethernet). The NSnappy Hub® is excellent for data transfer within mobile network coverage.

The product is available for purchase with or without a SIM card.



Applications



Commercial kitchens



Industry



Construction

Product highlights

- All of the most common internet connections in the same device
- A clean, durable and splash-proof enclosure
- Easy and quick to install and deploy



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Base station



Environment

Storage conditions	-40...+85 °C, relative humidity 0-95%, non-condensing
Operating conditions	-40...+60 °C, relative humidity 0-95%, non-condensing
Protection class	IP65
Enclosure material	Plastic

Dimensions

Dimensions	180 x 110 x 56.5 mm
Installation	Desktop, wall or pole mounting, wall-mounting kit included

User interface

Reset-button	1 x RST
Console port	2 x Type-C
LED indicators	Front panel: 1 x POWER, 1 x STATUS, 1 x LoRa, 1 x Wi-Fi, 1 x LTE, 1 x ETH
Built-in	Watchdog, RTC, Timer

LoRaWAN

Protocol	LoRaWAN standard, V1.0 Class A/Class B/Class, V1.0.2 Class A/Class B/Class C
Antenna	2 x internal antennas
Channels	8 (Half/full-duplex)
Frequency	863-870 MHz (LoRaWAN 1.0.2 EU band)
Power	Max +27 dBm
Sensitivity	-140 dBm @ 292 bps

Ethernet interface

Port	1 x RJ45 (PoE Power Delivery supported)
Physical Layer	10/100/1000 Base-T (IEEE 802.3)
Data Rate	10/100/1000 Mbps (Auto-Sensing)
Interface	Auto MDI/MDIX
Mode	Full tai Half Duplex (Auto-Sensing)

Wi-Fi interface

Antenna	Internal
Standards	IEEE 802.11 b/g/n, 2.4GHz
Mode	AP or Client mode
Security	WPA/WPA2 authentication, WEP/TKIP/AES encryption