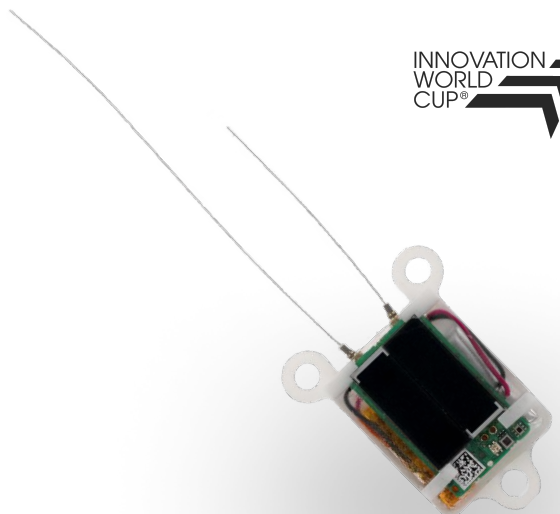


# truvami

INNOVATION  
WORLD  
CUP®



30 x 18 x 3 mm

**truvami® nomad XS** is an award-winning and versatile LoRaWAN solar-based geolocation sensor-hub. It combines a multi-standard GNSS receiver and an accelerometer for motion detection in a compact device. Its highly configurable firmware enables precise customization for specific use cases, optimizing performance and extending battery life.

LoRaWAN®



# nomad XS

LoRaWAN®

LoRaWAN® class A compliant device



dedicated high precision GPS receiver



rechargeable,  
LiPo battery via charging pads



accelerometer to detect motion



integrated light and pressure



optional gyroscope / magnetometer

## mechanics & power

### mechanical specifications

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weight	8g
dimensions	30 x 18 x 3 mm
enclosure	Epoxy resin

### operating conditions

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temperature	0 - 60 °C
humidity	0 - 95 % RH, non-condensing

### power management

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battery type	Lithium polymer
power	3.7V, 135 mAh
charging	via the charging pads and solar cell

### estimated battery life

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1 GPS fix / hour without solar	4-6 days (depending on SF)
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## communications

### LoRaWAN details

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LoRaWAN® device type	class A
LoRaWAN® version	LoRaWAN® 1.0.3
supported LoRaWAN® features	OTAA, ADR, adaptive channel setup
LoRaWAN® receiver sensitivity	-127 dBm (SF7, 125 kHz) to -141 dBm (SF12, 125 kHz)
LoRaWAN® transmission power	14 dBm / 22 dBm (depending on region)

## location

### GNSS

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receiver	uBlox GNSS receiver with patch antenna
GNSS	BeiDou, Galileo, GLONASS, GPS / QZSS

## sensors and peripherals

### pressure sensor

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absolute accuracy	± 0.5 hPa
relative accuracy	± 0.06 hPa per 10kPa step
range	30 .. 125 kPa

### accelerometer

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range	±2, ±4, ±8, ±16
resolution	16 bit
accuracy (typ.)	±20 mg

### light sensor

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range	0 – 65k lux
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## disclaimer

We reserve the right to make technical changes, which serve to improve the product, without prior notification.

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truvami® is an IoT startup specialized in flexible end-to-end tracking solutions, based in Zürich, Switzerland. Our mission is to support enterprises in safeguarding their workforce and valuable assets through cutting-edge tracking technologies at smallest size. truvami offers a portfolio of different trackers that are designed to serve different use-cases in vertical markets like transport, logistics, industrial, construction, fleet- and cattle-tracking. The innovative multi-protocol approach combined with a dedicated geolocation engine allows seamless in- and outdoor tracking. Together with truvami's cloud software platform, customers can easily integrate the solution into their existing IT landscape.

## Ready for your next step?

Schedule a discovery call for more information.

[truvami.com](https://truvami.com)

