

truvami nomad XL



description

truvami® nomad XL is a powerful and flexible GNSS tracking device that integrates a multi-standard GPS receiver with an accelerometer and optional temperature sensor, and barometer into one compact device.

The IP67-rated housing with different mounting options protects the device at operation in harsh industrial environments. If desired, the device can be activated in the field using a magnet.

The highly configurable device firmware allows for fine-grained adaptation to a specific use case to optimize performance and battery lifetime.

features

- LoRaWAN® class A compliant device
- supports EU868, US915, AU915, AS923
- low power GNSS module with integrated antenna
- stores up to 10'000 locations and transmits them when in range of a network
- robust IP67 industrial housing
- up to 1 year of battery lifetime (primary cell)

applications

- industrial asset tracking
- construction site management
- fleet management

mechanical specifications

Weight	135 g
Dimensions	89 × 79 × 33 mm
Enclosure	Plastic, ABS

radio / wireless

Wireless technologies	LoRaWAN® 1.0.3
LoRaWAN® Device type	Class A
Supported LoRaWAN® features	OTAA, ADR, Adaptive Channel Setup
Sensitivity	-137 dB (SF12)
RF transmission power	14 dBm / 22 dBm (depending on region)

operating conditions

Temperature	0 – 70 °C
Humidity	0 – 95 % RH, non-condensing

device power supply

Battery type	2 × AA 1.5V, alkaline standard cell
Expected battery lifetime	Up to 1 year depending on device configuration

certifications

CE	RED 2014/53/EU
UKCA	Radio Equipment Regulations 2017
FCC	pending

sensor specifications

GNSS

receiver	Quectel L86 with patch antenna
sensitivity	-167 dBm @ Tracking, -149 dBm @ Acquisition
GNSS	GPS & GLONASS L1 band
horizontal position accuracy	2.5m CEP
internal storage	up to 10'000 locations

accelerometer

range	±2, ±4, ±8, ±16
resolution	12 bit, 4mG
accuracy (typ.)	±40 mg

magnetic sensor

detection threshold	max. ±4.8 mT
magnetic response	omnipolar
reset activation (typ.)	after 7.5 sec

disclaimer

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