



Loka Primis Locator Datasheet

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Australia - New Zealand - Hong Kong - Macau

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Loka Primis Locator

RC1, RC2, RC4

 3D accelerometer  Temperature  WiFi Geolocation  OTA upgrades  Sigfox Bidirectional Communication

LOKA Primis is a multipurpose device with the LOKA MIND IoT Cloud Platform. A locator geolocating via WiFi BSSIDs with a temperature and movement sensor. The Loka Mind platform enables visualisation of the locations on a map and management of the devices in the field.

- WiFi Geolocation
- OTA configuration & firmware download
- Sigfox Single-zone capable (RC1 , RC2 & RC4), with OTA configuration
- 3D accelerometer & Motion Engine tailored for moving assets
- Internal temperature sensor (2°C accuracy)
- Internal Button and LED for visual status
- IP65 housing (water resistant, dustproof)
- Operating Temp -30°C to +85°C
- Optional Mounting Bracket available
- Up to 4 years battery life (using AA Lithium Batteries x2)
- Warranty 1 year
- Supplied with LokaMind Platform (visualisation and device management) APIs available and included
- Android Wi-Fi Geoscanner App available if required for AP lookup enhancement

Applications



Vehicle & fleet tracking



Non-powered asset tracking



Trailers and mobile assets



IBC tracking



Chiller box tracking



Manufactured by



Mounting Bracket Optional



thin^xtra
The IoT Telco

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READY FOR YOU

Environmental

Housing	ABS IP65
Mounting Bracket	Resin - Black
Operating Temperature	-30°C to +85°C
Storage Temperature	-30°C to +85°C
Dimensions & Weight	92mm (l) x 35 (w) x 26 (h) , weight 24.5 grams (exc. batteries)
Labelling	Barcode and text - External Label

Sensors & Visual Indicator

Accelerometer	3D Accelerometer, enabling the device to stay in low power state and wake-up when movement/vibration occurs to determine course of action.
Temperature	Internal Temperature Sensor Accuracy to 2°C
Button & LED	Internal Button & LED (Fault detection and other status indication)

Power

Battery	2x 3,500mAh Li/FeS2 battery 1.5V (available), up to 4 years battery life (depends on profile selection)
Sleep Current	Low 18uA

Tracking

Wi-Fi Geolocation	Multiple simultaneous SSID/RSSI Sniff (2.4GHz, 802.11 b/g/n)
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Connectivity

Sigfox	Single-region RC 4 - Bi-directional comms - Class Ou
Wi-Fi	Used for geolocation

Device Smarts

Event driven	Detect when asset has moved & stopped, vibrating and temp change.
OTA Configuration Updates	Several selectable operating Modes available (Tracker, Temperature, Movement, Tracker & Temperature) - Over Sigfox messages
OTA Firmware Updates	Over The Air (OTA) firmware & configuration updates from the LokaMind device management platform using secure Wi-Fi AP
Operating Mode	4 configurable operating modes can be selected/changed via Sigfox OTA
Battery Status / Life	Battery voltage measurement is communicated via Sigfox messages

LokaMind Platform

Geolocation	Platform has 'GeoLOKAtion' service that translates WiFi MAC addresses into Lat/Long on the map
Device Management	Group devices into profiles, associate device ID's / profiles to entities
Dashboard	Historical map and data visualisations on a device/profile/entity level
User Management	Create hierarchy of entities, sub-entities and associated users/admins
Notifications	Set alerts for Geofences, battery low, temperature thresholds etc, notify via email
Reports	Reports available by time/date, profile/entity, device condition etc.
API	API available for integration into other platforms