

thin~~x~~tra

ALPS Lykaner 5 Datasheet

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Australia - New Zealand - Hong Kong - Macau





www.thinxtra.com

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ALPS Lykaner 5

 Battery included  WiFi Geolocation  Temperature  IP67 waterproof  Activation & Tamper Switch  Sigfox Bidirectional Communication

ALPS Lykaner 5 is a rugged IP67 rated Geo-location device for tracking non-powered assets through the OG Network, powered by Sigfox. The device has an ultra long battery life, utilises Wi-Fi for geolocation, has a built in temperature sensor, and a tamper detection switch.

- WiFi Geolocation
- OTA Configuration
- Acceleration and temperature sensors
- Battery Life upto 8 years (battery included)
- Sigfox communication RC4
- Equipped with Tamper Switch
- Operating Temperature -20 to +60 °C
- Shock and Vibration resilient
- Equipped with a motion algorithm, which only sends messages when a motion event occurs to preserve battery
- Warranty 1 year
- Optional visualisation platform available



Applications



Mobile Asset
Tracking



Returnable
Industrial Packaging



Containers
and freight

Manufactured by

ALPSALPINE



Not Included: M5 Screws or
Rivets



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READY FOR YOU

Environmental

Housing Material	PBT Glass Fibre Reinforced (PBTGF30)
Enclosure Rating	IP67
Mounting Options	2x mounting holes for M5 Marine Grade screws or rivets
Dimensions & Weight	140 x 50 x 25mm 94g
Operating Temperature	-20 to +60 °C
Storage Temperature	-20 to +60 °C
Labelling	QR Code & Text label

Sensors

Accelerometer	Motion Detection and Speed
Temperature	Dedicated Internal Temperature Sensor Accuracy +/- 2 °C
Pressure Switch	Activation & Tamper switch

Power

Battery	Titus ER17505M LTC 3.6 V 2,800 mAh
Battery Life	Up to 8 years from 2 messages/day

Tracking

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

Sigfox	RC 4 - Bidirectional comms - Class 0u
Wi-Fi	Used for geolocation

Firmware Smarts

Motion Engine	Configuration settings via Sigfox Downlink Defaults (min distance 2km, min speed 40km/hr, check every 4 hours when moving)
Heartbeat	Daily Heartbeat (Sigfox Message including location) Default 1/day when there is no movement (Min every 3 hours, max 765 hours)
OTA Configuration	Over the air configuration settings - Sigfox Downlink
Battery Status / Life	Battery Status over Sigfox uplink messages

