

Asset5



4G connectivity with 2G fallback



Long lasting battery performance



Replaceable 2xAA batteries



Bluetooth LE 6.0



Configurable action button



New generation GNSS and Cell ID fallback



Waterproof IP68 housing



Optional magnetic holder



Motion detection



Operating temperature -30 °C to +70 °C



Internal memory for 1920 location & 560 sensor records



3-axis accelerometer



Tampering detection



Internal GNSS antenna



Suitable for a broad range of assets



Device management via mDMP/GPRS (FOTA)

Key values:

3-year autonomy - dual AA Li-SOCl₂ batteries power the tracker for up to three years without maintenance.

Small size - just 70×56×28 mm housing for effortless installation in tight or concealed places.

Easy & secure installation - screw-less enclosure with optional magnetic holder.

Global connectivity - 4G with automatic 2G fallback keeps you online in any network.

Precise and reliable positioning - premium GNSS module and mobile network Cell-ID as fallback.

Wireless setup - firmware updates and tracker configuration using mDMP mobile app (via Bluetooth) and DMP (FOTA) web platform.

Advanced security - built-in tamper detection, programmable action button and end-to-end TLS 1.2 encryption.

Built-in intelligence - integrated 3-axis accelerometer, 1920 record memory, movement detection, and impact logging.



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Technical information

Asset5-LTE-EMEA

Asset5-LTE-LA

Asset5-LTM-GL

Electrical specifications

Power supply range	2.5-4.2 V DC
Replaceable internal batteries	2x ER14505M LiSOCl ₂ , 3.6 V 2100 mAh (non-rechargeable)
Protections	Battery short circuit protection, Reverse polarity protection, Electrostatic discharge protection on SIM card slot
Power consumption Operating @ 3.6 V DC	Normal operation of MCU: 2 mA @ 3.6 V DC Bluetooth LE enabled: + 5 mA Modem attaching and data sending average: +100 mA GNSS acquisition average: +10 mA
Power consumption Hibernating mode	As low as 22 µA

Connectivity & Hardware specification

Connectivity	LTE Cat1.bis: B1/B3/B5 /B7/B8/B20/B28	LTE Cat1.bis: B2/B3/B4 /B5/B7/B8/B28	LTE Cat1 M1: B1/B2/B3 /B4/B5/B8/B12/B13 /B18/B19/B20/B25 /B28
	GSM: 850/900/1800 /1900 MHz (GPRS multi-slot class 12)	GSM: 850/900/1800 /1900 MHz (GPRS multi-slot class 12)	NB-IoT: B1/B2/B3/B4 /B5/B8/B12/B13/B18 /B19/B20/B25/B28 GSM: 850/900/1800 /1900 MHz (GPRS multi-slot class 33)
Bluetooth	Bluetooth LE version: 6.0		
GNSS	Antenna: Internal Positioning systems: GPS, GLONASS, Galileo, BeiDou Augmentation systems: QZSS, SBAS (WAAS, GAGAN, EGNOS, MSAS) Tracking sensitivity: -166 dBm Acquisition sensitivity: -147 dBm Reacquisition sensitivity: -159 dBm Cold start duration: 28 s Hot start: As low as 1 s Navigation update rate: 1 Hz Horizontal position accuracy: 1.5 m Number of tracking channels: 47		

Interfaces

Action button	Push to trigger Bluetooth advertisement
Tamper button	Can be used to detect opening of the housing
On/Off switch	Turn the power circuit On/Off
Indication LED	Shows the status of modem and Bluetooth LE
SIM slot	Nano SIM (4FF)

Features

Internal storage	1920 records, 560 beacon records
Accelerometer	Built-in 3-axis (motion sensing, g-force up to 4 g)

Enviromental specifications

Temperature	Operating: -30 to +70 °C Storage: -20 to +45 °C
Humidity	5% to 95% Non-condensing

Certifications

Certifications	WEEE/RoHS/CE/RCM	WEEE/RoHS/FCC/Anatel*	WEEE/RoHS/FCC/CE
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Physical properties

Dimensions	70mm x 56mm x 28mm
Weight	100g +/- 1g
Housing	Black, semi-transparent plastic
Ingress protection	IP68

Ordering information

Asset5-LTM-GL	Asset5 with CAT-M1/NB-IoT/GSM connectivity
Asset5-LTE-EMEA	Asset5 with CAT1.bis/GSM connectivity, for Africa, Asia, Australia and Europe
Asset5-LTE-LA	Asset5 with CAT1.bis/GSM connectivity, for Latin America
Asset5-Battery	Asset5 battery for replacement, 30xER14505M LiSOCl2, 3,6V 2100 mAh
Asset5-Holder	Asset5 holder with magnets

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