

APPAREO ASSET TRACKER MODEL AT-130

DESCRIPTION

The Appareo Asset Tracker AT-130 is a low-cost, cellular, IP69K-rated asset tracking device with ultra-long battery life. It can be globally deployed using CAT M1 LTE and NB-IoT networks while using GPS for position. The AT-130 has a battery life of up to five years with its internal battery.

FEATURES

- CAT M1 and NB-IoT Cellular, global bands
- 700-2200MHz band support
- IP69K, fully enclosed
- 5-year battery
- Operating temperature -40 to +85 deg C
- GPS
- Internal GPS and cell antennas
- 64 MHz ARM® Cortex®-M33 CPU
- 1 MB Flash & 256 KB RAM
- Ultra-Low power sleep cycle
- Advanced motion detection for event reporting
- 134 x 83 x 41.5 mm dimensions

REGULATORY & NETWORK CERTIFICATION

- Vodafone International
- CE
- IC
- FCC



SOFTWARE CAPABILITIES

The module on board the AT-130 is programmable, which has a TCP/IP networking stack (IP v4/v6). At the application layer, the AT-130 has HTTP, MQTT, and CoAP protocol support built in to allow you to quickly integrate with your infrastructure. To ensure the secure transport of your location data, the AT-130 has Transport Layer Security (TLS), secure boot, and secure key storage.

RADIO CAPABILITIES

The AT-130 has integrated cellular and GPS antennas. The radios feature the following capabilities:

- LTE throughput (UL/DL) of 300/375 kbps
- NB-IoT throughput (UL/DL) of 30/60 kbps
- Cellular output power up to 23 dBm
- Cellular receive sensitivity -108 dBm (LTE-M) or -114 dBm (NB-IoT)
- GPS sensitivity (cold start / hot start / tracking) of - 142 / 145 / 151 dBm
- GPS TTFF (cold start / hot start) 36s / 1.3s
- GPS accuracy (CEP50 periodic / continuous) 5m / 3m

CELLULAR

Technology	Supported LTE Bands
LTE M1 NB-IOT	<ul style="list-style-type: none"> • B1 • B2 • B3 • B4 • B5 • B8 • B12 • B13 • B14 • B17 • B18 • B19 • B20 • B25 • B26 • B28 • B66

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