

ASSET IoT Unit

ABAX MINI2 Datasheet



OVERVIEW

The MINI2 is ideal for monitoring location of all types of equipment, power tools and mobile assets and is designed for rapid return of investment.

It features a waterproof and ruggedized enclosure and have a built-in long lasting battery.

The MINI2 is a lightweight small BLE tracker that communicates with the all IoT gateways in the ABAX global network as well with the ABAX mobile apps for drivers and administrators.

The MINI2 enables improved operating efficiency and asset recovery. It is part of ABAX IoT global network that combines asset tracking and location service solutions in a single platform together with the other ABAX IoT gateways

DESIGNED TO ACCESS THE IOT NETWORK

An active unit in the ABAX global IoT network that provides a heartbeat every 20 second. When a heartbeat is received by an ABAX IoT gateway the position of the MINI2 will be reported. All active ABAX IoT gateways will listen after heartbeats, to ensure privacy only units within the same company will reveal the host name, all other are anonymized.

The MINI2 is smart, it utilizes every vehicle on the road and machine at the construction sites that have ABAX hardware installed to locate your assets

TYPICAL APPLICATIONS

- Ideal for power tools or portable equipment
- Perfect for i.e construction equipment like cordless tools, measuring tools & scanners, dust management & vacuum cleaners, hammers, circular saws, jig saws, grinders & sanders, hydraulic cutters & crimpers and many more.
- Non Powered Assets as light towers, trolleys, scaffolding, ladders, fuel tanks etc.
- Everything that go in and out of a vehicle or are in range of other ABAX IoT gateways

PRODUCT HIGHLIGHTS

- Track, monitor and optimize asset location
- A solution for all kind of mobile assets
- Ruggedized and weatherproof enclosure
- Monitor and increase asset utilization
- Optimize asset pool inventory and location
- Recover lost assets
- Search for MINI2 using the ABAX mobile apps



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GENERAL SPECIFICATIONS

| | |
|-----------------------|------------------------------------|
| Dimension | 19x43x6.5 mm |
| Weight | 9g |
| Storage temperature | -40°C to +75°C |
| Operating temperature | -20°C to +60°C |
| Battery capacity | 220 mAh (CR2032) |
| Battery lifetime | 6 years |
| Number of postions | Position heartbeat every 20 second |

ENVIRONMENTAL DATA, RELIABILITY, CERTIFICATION

| | |
|---------------|-----------------|
| Approvals | CE |
| Type Approval | ECE R10.05:2014 |
| IP Grade | IP67 |

INTERFACES

| | |
|-------------------------|--|
| Communication protocols | Proprietary Bluetooth Smart low energy 5.2 |
| Configuration | Firmware upgrade over Bluetooth Smart and configuration updates |
| Sensors | Accelerometer to detect movement and angle, Temperature sensor, Light sensor |
| Temperature sensor | $\pm 1.0\text{ C}^\circ$ |

