



BADGE TAG

AT-004 - standard
AT-004-H - high precision

- > Sleek replacement for traditional ID badges
- > Motion sensor
- > 2 programmable buttons and status lights
- > Rechargeable battery with micro USB
- > 6 months battery life with a single charge
- > Built in RFID inlay for access control system compatibility

FOR STAFF

With a unique slim design and an embedded RFID inlay, Litum IoT Badge Tag replaces traditional badge cards to offer a fully integrated solution where one card can be used for many different purposes. Equipped with precise locating and help calling functionalities the badge tag helps locate & monitor staff members in order to improve workflow, safety, and security.

The built-in motion sensor detects tag usage by staff members and unexpected movements such as free falling or prolonged inactivity, thus increasing system confidence and safety levels.

Litum IoT badge card operates with micro USB rechargeable battery and it can be used for months with one single charge.

Ideal for applications at:

- Offices
- Manufacturing facilities
- Retail stores
- Warehouses
- Logistics

ADVANTAGES

Up to 30 cm location accuracy

Sleek design

Micro USB charging

RFID access control system compatible (optional)

Uninterrupted, reliable connection with high speed communication

No interference with surrounding equipment that work with RF

Secure communication with 128 bit AES

Remote software update feature permits forward compatibility for future developments

Very low emission level makes it safe for use by staff members: maximum 2.5 dBm

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OPERATING SPECIFICATIONS

- Data Communication RF
- Operating method TOF, TDOA, RSSI
- Coverage Up to 200 m outdoors, 120 m mines&tunnels, 30 m indoors
- Sampling Rate (1 sec - n days) Adjustable
- Accuracy 30 cm - depends on Reader Installation
- LED indicators Power, battery status, signalling
- Sensors Motion sensor
- Frequency 2.4 GHz - standard / 4-5 GHz high precision
- Antenna type PCB 2 dBi
- RF Power 0 dBm - 2.5 dBm 2.4 GHz / -41 dBm/MHz 4-5 GHz
- Protocol IEEE 802.15.4—IEEE 802.15.4 a WPAN
- Security 128bit AES Optional

PHYSICAL SPECIFICATIONS

- Dimensions (LxWxD) 90 x 45 x 7 mm (3.54 x 1.77 x 0.28 in)
- Weight 40 g (1.41 oz)
- Operation Temperature -20 / +60°C
- Relative Humidity 0 to 95% non-condensing
- Environmental protection IP54
- Vibration resistance 3g
- Casing ABS
- Remotely Upgradeable Firmware Yes
- Battery 3V Lithium Polymer
Rechargeable 320 mAh
- Expected Battery Life High Accuracy Mode: 4 months
(one sampling per 30 seconds)
Regional Mode: 6 months
(one sampling per 10 seconds)

OTHER

- Certification CE

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