

Features

- Wireless identification with long range (up to 60 metres or 200 feet)
- Works in the licence free 2.4 GHz ISM band.
- Good performance in metal-rich environments
- Replaceable low cost button cell battery
- Low battery warning
- Works with Free2move's RFIDS™ readers for asset management.



Applications

- Location of personnel
- Asset tracking
- Visitor/Guest services
- Access control
- Policy enforcement
- Workplace safety

General Description

Free2move's RFIDS™ TAG F2M08-C00 is suitable for people tracking outdoor and indoor.

The TAG enclosure is waterproof and card shaped and can be fixed on breast pocket or as necklace. Custom versions can be integrated with helmet or be belt-mounted.

The TAG beacons a message in intervals. The message contains the unique identifier (UID), a user defined string (UDS) and various status information including the battery status of the tag.

The message can be picked up by RFIDS™ readers connected to a computer or a network. Groups of RFIDS™ readers are installed to cover a certain read zone. Every read zone can track several hundred tags at the same time.

1 Technical Data

Dimensions: 84 x 40 x 8 mm

Weight: <15 grams

Enclosure: ABS, Ultrasonically sealed
Clip slot

Protection type: IP54

Operating temperature: -20...+70 °C

Max output power: 1 mW (0 dBm)

Powered: Via CR2032 Lithium battery (replaceable)

Operating frequency: 2.4GHz ISM band

Modulation: Frequency hopping

Configuration distance: Up to 10 metres

Reading distance: Up to 60 metres with line of sight

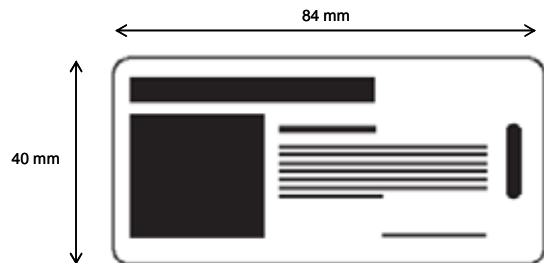
Wireless configuration: Via RFIDS™ reader.

Identification code: 40 bit unique UID (Unique IDentification) for every TAG. This UID is factory programmed.

User defined string: 20 byte or characters. The 20 characters string can encoded to the TAG from an RFIDS™ reader

Beacon mode: TTF (Tag Talks First)
RTF (Reader Talks First)

Beacon interval: Configurable



2 Compatible RFIDS™ Readers

The F2M08-C00 Card TAG works with the following RFIDS™ readers:

- All F2M07 family RFIDS™ Readers configured in TTF mode

3 Ordering information

The RFIDS™ TAG is available for delivery with the following part number:

Part no:	Description
F2M08-C00	RFIDS™ identification TAG in card shaped IP54 enclosure (84 x 40 x 8 mm) with CR 2032 replaceable battery
F2M08-CL0	RFIDS™ pick-to-light TAG in card shaped IP54 enclosure with CR 2032 replaceable battery and light indicator for indoor use

Custom tags will have different part numbers.

Please indicate quantity and types of RFIDS™ TAGs and RFIDS™ Readers for best price quotation.

4 Contact information

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