

WM2 Asset Tag



DRIVING WIRELESS CONVERGENCE®

WM2

WM2

The WM2 WiSeMote asset tag, a part of Redpine Signals' RTLS system offering, is a locationing device that tracks the location of an asset or a person based on active Wi-Fi technology. It can operate in conjunction with Cisco compliant infrastructure or with Redpine's RTLS Network. It supports multiple modes of operation which the user can choose based on the RF environment and use case. It works in ToF, RSSI and ToF+RSSI modes.

The WM2 asset tag is suitable for attaching to devices and equipment. The WM2 is the first RTLS tag family in the industry where the tag manufacturer owns the active Wi-Fi technology. This translates into an unprecedented level of energy efficiency and reliability, backed by IP protection and a strategic roadmap alignment with future generations of RTLS.

In addition to location, tag provides telemetry information (battery life, motion and emergency). It has an emergency button which can be used to configure system alarms and notifications. The built-in motion detector can be used to configure differing beaconing intervals for quiet and active situations, helping conserve battery life.

The tag is offered as both single and dual band variants.



Features and Benefits

- IEEE 802.11a/b/g/n compliant
- ToF and RSSI support
- Motion sensor
- Battery life indication
- Compact design
- Wireless configurability
- Over-the-air Firmware Upgrade capable
- Replaceable Battery with performance capability of over 3 years with suggested beaconing rate.
- Compliant with Cisco Compatible Extensions for RTLS v1
- FCC, ETSI, TELEC channels support
- Panic button support in CCX

Applications

- Asset tracking in logistics and warehousing
- Medical applications including patient tracking
- Monitoring of transport conditions using sensors
- Tracking of goods, materials and containers in shipping yards
- Inventory and equipment security

Specifications

| | |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Wireless Protocols | Single band: IEEE 802.11b/g/n Dual band: IEEE 802.11a/b/g/n |
| Frequency | 2.4 GHz: North America: Channels 1 -11 Global: Channels 1-13 5 GHz: Channels 36-48, 149-165 |
| Transmit Power | 15 dBm |
| Dimensions | 45.70 x 41.70 X 22.10 mm |
| Weight | 28 grams |
| Packaging | Dust proof. Splash proof |
| Operating Temperature | -40C to +85C |
| Operating Humidity | 0 to 95% RH, non-condensing |
| Mounting | Variable, mounting cradle option |
| Battery | 3.3V, 1/2AA, replaceable |
| Battery life | Up to 3 years, based on configuration |
| Certification | Contains FCC, IC, ETSI certified wireless module |
| Programmability | Using WM0 wireless configurator - web page based, no software installation necessary |
| Buttons | For emergency notification |
| Range | 150 meters outdoors |
| Chokepoint support | With Redpine WM-CP Chokepoint Exciter |

Variants

- WM2-20-CCX
- WM2-20-RPX
- WM2-50-CCX
- WM2-50-RPX



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