

Wearable Tamper Resistant Wi-Fi / LTE / GPS Wrist Tags for Location Tracking

The AiRISTA W9 Wi-Fi / LTE / GPS wearable Personnel or Patient tag enables real-time location visibility of a person's location indoors or outdoors, with integrated wristband tamper detection functionality and alerting. Features may vary based on customer specifications. Combined with the *sofia* software platform, applicable settings can be established with workflow rules and alerts.

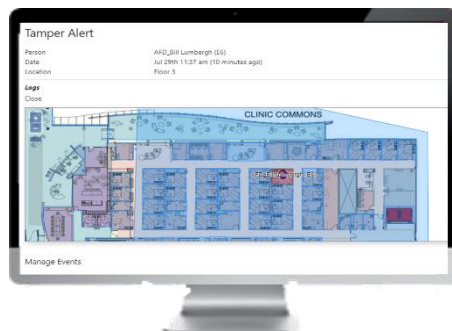
The AiRISTA W9 is worn comfortably on a person's wrist with tamper detection built into the wristband for anti-tampering and alarming. The tag is waterproof, allowing users to comfortably wash during use.

Location tracking can be done in real time (instantaneous location), timing tracking (location updates at regular intervals), historical tracking (bread crumb trails) as well geo-fence scenarios with user-defined rules to trigger location-based alerts.

The AiRISTA W9 includes a 1.3" color display for signal, power, date, week, time, ID, message, etc. The tag also contains operational buttons.

The AiRISTA W9 is rechargeable and a portable battery pack is charged using micro-USB and then buckled to the W9 allowing the user to walk freely while recharging.

The AiRISTA W9 offers optional heart monitoring, motion sensing, camera and temperature measurement for holistic approach to monitoring participants, patients and staff.



Benefits

- Comfortable, secure wrist band
- Wristband tamper detection with alerting
- Ideal for monitoring high risk individuals
- Check-in capabilities
- Rechargeable portable battery pack
- Features customizable per customer

Features

- Color screen, 1.3"
- Wi-Fi, Cellular/LTE, GPS
- Alerting over standard Wi-Fi networks
- Remote configuration
- IP-67 rated water resistance
- Rechargeable lithium polymer battery
- Portable battery pack for recharging
- LED for charging and low power alerting
- Optional: Heart monitoring, motion sensing, temperature monitoring, camera and Bluetooth Low Energy (BLE)

Technical Specifications

W9 Wi-Fi/LTE/GPS

Personnel / Patient Wrist Tag with Tamper Detection

Cellular Radio

LTE Category 4 modem
Supports Cellular Network: GSM/WCDMA
Supported Frequencies: 850/900/1800/1900 MHZ
Nano SIM Card

EU frequencies:
GSM band: 900/1800
4G LTE B1, 3, 7, 8, 38, 39, 40, 41

US frequencies:
GSM band: 900/1800
4G LTE B2, 4, 5, 7, 12, 17

Wi-Fi Radio

Supported Wi-Fi Networks: 802.11 b/g/n
Wi-Fi radio used for location services and scanning only
Channels 1-11: North America
Channels 1-13: Global
Channels 1-14: Japan

GPS Radio

GPS position accuracy 5-25m
GPS sensitivity -162 dBm

Electrical Interface

Rechargeable 600mAh lithium polymer battery
Power Supply: 3.7V-5V, 1A
Watch Battery: 600mAh
Charging Time: 2h from 1% to 100%
Standby Time: 5 days (tracking once per hour)

Portable Battery Pack

Capacity: 650mAh
Charge Method: micro-USB cable

User Interface

Push Button
Color Display: resolution 240x240 pixels
Motion detection

Environment

Operating Temperature: -20°C to 65°C
Storage Temperature: 10°C to 25°C
Standby time: >100h
Humidity: 10%-90% RH, no condensation
IP67 rated for dust and water resistance

Physical

Dimensions: 53mm x 32mm x 15 mm
Weight: roughly 85 grams
Material: ABS

Ordering Information

- Wearable Tag: W9
Note: Part Number of the tag with any of following option will be W9 followed by letters representing the option, separated by ".". For example, W9.C.B.H has all three below options.
Camera (2 MP) Option Suffix: "C"
Heart Monitoring (HM) Option Suffix: "H"
BLE Option Suffix: "B"
- Tag's Portable Battery Pack Option: W9.Power
- Single USB Charging Cable: W9.USB

Warranty

One Year Warranty

Specifications may vary based on OEM design
*Specifications subject to change without prior notice.

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