

Wi-Fi Tag for Temperature Monitoring

AiRISTA's A3 temperature tag is designed for monitoring and logging the temperature of assets. The A3 offers multiple sensors which can be used for humidity, different asset types, or temperature ranges. Utilizing advanced wireless network and sensor technologies, AiRISTA offers innovative, robust, and cost-effective environmental condition monitoring solutions.



Industry-leading Location Accuracy

Using a standard 2.4 GHz Wi-Fi 802.11 b/g/n network environment, the A3 Temperature Tag tracks and monitors asset conditions. The temperature tags provide continuous readings of the environmental conditions at programmable intervals. The A3 Temperature Tag utilizes an existing Wi-Fi infrastructure to transmit environmental condition data in real-time for storing, processing, and alerting of abnormal conditions by sending notifications/alerts via email, SMS, or pre-recorded voice messages.

Replaceable Battery

The A3 Temperature Tag has an easily replaceable lithium battery to ensure that an organization's reports are accurate and that facilities are up to standards.

Track the Monitored Unit's Location

AiRISTA offers an optional feature for temperature tags with location monitoring enabled. This feature allows users to utilize AiRISTA's Healthcare Visibility Solution software to view the tag locations on facility maps.

Features

- BLE 4.2 & 5.0 compliant
- Water Resistant
- Long-life, replaceable battery
- Multiple ways to attach tag to assets
- Motion sensor for determining transmission intervals to optimize battery life
- Optional internal and external temperature sensors
- General purpose tactile call button
- Chokepoint detection
- Visual indicators through multiple LEDs (based on model)
- Over-the-air programming and configuration capabilities
- Over-the-air firmware upgrade capability
- Cisco CCX compatible and support for layer 2 network protocol

Radio & Technical

Sleep Mode Maximum Leakage Current: < 4 uA
RX Wi-Fi with CCK/DSSS (1, 2, 5, 11 Mbits/s): 35 mA
RX Wi-Fi with OFDM (6,9... 54 Mbits/s): 37mA
TX Wi-Fi at +12 dBm: 125 mA
Max Wi-Fi Output Power: 12 dBm
Operating Current TX & RX Disabled: 18 mA RISC core operatin

Electrical Interface

Replaceable 1200 mAH, 3.0V Lithium Battery
Configuration: Over-the-air remote configuration

Environment

Tag Operating Temp: -30° C to 85° C Probe
Tag Storage Temp: 10° C to 25° C

User Interface

One call button
Removable tamper detection

Operating Range

Up to 150 feet (45m)

Physical

Form Factor: ABS plastic enclosure
Weight: < 38 grams without battery
Dimensions: L52 x W32 x H13mm

*Specifications subject to change without prior notice.

AiRISTA Flow, Americas
913 Ridgebrook Rd. | Suite 110
Sparks, MD | 21152 | USA
Tel: 1-844-816-7127
salesinfo@airista.com

AiRISTA Flow, APAC
Level 9 Wyndham Building
1 Corporate Court
Gold Coast | QLD | Australia
Tel:+61- 07 3053 8375

Airista International Oy
Espoo | Finland
Tel: +358-10-326-7600
salesinfo@airista.com