

PRELIMINARY DATA SHEET

AeroScout™ T2 Tag

Locate people and mobile equipment in Wi-Fi wireless environments:

- **Compact Enclosure**
- **Flexible Mounting**
- **Long Battery Life**
- **Wireless Tag Programming**



AeroScout™ System Overview

The AeroScout T2 Tag is a component of the AeroScout Wireless LAN Location System, which adds accurate location capability to Wi-Fi wireless networks. AeroScout Tags extend the platform to locate equipment that is not Wi-Fi enabled. The AeroScout architecture stands out in several ways:

- **Locates tagged non-Wi-Fi assets.** These small, rugged, battery-powered Wi-Fi tags can be attached to people and to a variety of equipment, such as medical devices, containers, manufacturing equipment and retail shopping carts.
- **No modifications to Wi-Fi mobile unit hardware or software.** The AeroScout system also locates standard Wi-Fi clients such as laptops, PDAs, barcode scanners and other wireless devices. This eliminates a major management challenge and enables simple implementation in public environments.
- **No dedicated backbone network.** All communications between Location Receivers and the AeroScout Location Server use standard Ethernet connections, and AeroScout achieves accurate measurement synchronization without the use of a dedicated backbone network.
- **Open development platform.** The AeroScout System includes a set of tools for designing, testing and implementing enterprise-class location-based applications.

AeroScout T2 Tag Key benefits

Flexible asset and people location capability

The AeroScout T2 Tag enables the wireless network infrastructure to locate people and assets otherwise not connected to a wireless network.

The tag can be used to track people in many valuable applications - child tracking in amusement parks, security personnel in enterprises, hospital patients and many more.

Various types of equipment can be tagged. These include vehicles in parking lots; inventory in a manufacturing line; containers,

forklifts and other assets for efficient supply chain management; shopping carts in supermarkets; and medical equipment in hospitals.

Long battery life

A powerful, replaceable battery provides up to 3 years of battery life. The AeroScout Tag notifies Bluesoft's Location Server when its battery is low, enabling efficient replacement and minimizing down time.

The AeroScout T2 Tag can also be easily activated or deactivated for conserving battery power while inactive.

AeroScout™ T2 Tag

Key Benefits (cont.)

Flexible Mounting

The AeroScout T2 Tag is enclosed in a compact custom case and offers a variety of mounting options. By attaching a strap, the tag can be placed on a person's wrist. Alternatively, a mounting plate is available for attaching the tag with a safety pin or clip. The tag can also be mounted directly on assets using adhesive tape or Velcro. The tag's small size and weight allow mounting even on very small assets.

Tag Programming

The AeroScout T2 Tag can be programmed and activated either via a direct serial interface or a remote magnetic interface. Tag Programming allows for easy and efficient Tag configuration and activation.

Compatibility and non-interference

AeroScout Tags are 802.11 compatible. The tag's channel sensing techniques avoid interference with Wi-Fi networks. The use of the unlicensed 2.4GHz frequency band at low power levels ensures no interference with other wireless equipment, making AeroScout tags safe for use with such sensitive equipment as medical devices in a hospital.

Rugged performance

AeroScout Tags are designed to operate in challenging work environments, including manufacturing and outdoor areas. The tag enclosure is water-resistant and designed to withstand significant physical shocks and drops.

AeroScout™ T2 Tag Specification

PERFORMANCE

Typical outdoor range: 300m

Typical indoor range: 80m

PHYSICAL AND MECHANICAL

Standard dimensions: 62mm x 40mm x 17mm

Weight: 35g (1.2oz)

Mounting options include wrist strap, safety pin, clip, adhesive tape or Velcro.

RADIO

Transmission power: up to +20dBm, 100mW

Channel sensing avoids interference with wireless networks

PROGRAMMABILITY

Transmission interval programmable between 1 second and 3.5 hours

Transmission interval, channel and power level programmable

Wireless tag programming or alternative cabled serial interface

ENVIRONMENTAL SPECIFICATIONS

Temperature: -20°C to +65°C (-4°F to 149°F)

Humidity: 0 to 95%, non-condensing

Housing is water and dust resistant and includes a rubber lining

ELECTRICAL

3.6V Lithium ½ AA battery (replaceable)

Typical battery life: up to 3 years (dependent on transmission rate)

COMPLIANCE

Fully compliant with Wi-Fi (IEEE 802.11b/g) wireless networks

CERTIFICATION

Radio: FCC Part 15 class B, ETSI 300-328

Safety: CE, cTUVus (EN60950)

WARRANTY

Ninety (90) day limited warranty (not including battery)

Ordering Information

For ordering and pricing information contact Bluesoft at info@bluesoft-inc.com and refer to the AeroScout T2 Tag (BWH3000).

Technical Support

Contact Bluesoft for support at support@bluesoft-inc.com or at +972 (8) 9363136, extension 116. Additional technical support can be acquired by purchasing one of our fee-based support options