



TAG-6000-BP/XP-X1 – GPS Tag

The AeroScout T6 GPS Tag is a key component of the AeroScout Visibility System. The AeroScout T6 GPS Tag is a first of its kind solution that combines GPS and Wi-Fi to improve operations in large, outdoor environments. The tag is a battery-powered, wireless device that uses GPS to determine location and standard Wi-Fi to transport asset location and other valuable information to the customer's 802.11b/g-compatible Wi-Fi network. The T6 GPS Tag provides an ideal solution for organizations that need accurate location information for asset management in outdoor areas with minimal or basic Wi-Fi coverage. The tags help customers improve productivity and operational efficiency, while leveraging Wi-Fi infrastructure to keep total costs low.

T6 Tag Features

GPS Location

The innovative tag combines GPS and Wi-Fi to enable accurate asset management. Equipped with a built-in GPS receiver and attached to outdoor assets, the tag can deliver location reports based on GPS signals.

Bidirectional Communication

Other than the standard AeroScout unidirectional beacons transmitted by the tag periodically, the T6 Tag are capable of bidirectional Wi-Fi communication with full network association and authentication. The tag can operate with up to 5 different network SSIDs in secure or non-secure mode.

Visual Indications

The tag includes a Bi-color LED. The LED indication can be activated from the network to provide acknowledgement for various events such as entering a zone.

Motion Sensing

T6 Tags are shipped with on-board motion sensors that report when it starts to move and whether it is in motion or not. The motion sensor can be used to define tag behavior when in motion or when it is stationary.

Active RFID Functionality

Using the AeroScout Exciter, the tag sends out specific location reports upon arrival at chokepoints or gateways. The tag behavior can also be automatically modified while passing through a chokepoint such as a doorway or gate. This includes activating/deactivating tags or changing the tags' transmission rate to accommodate different usage patterns.



Compatibility and Non-interference

AeroScout Tags are 802.11b compatible. The tag's clear 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.

Rugged Performance

AeroScout Tags are designed to function in harsh work environments and weather conditions. The tag enclosure is water-resistant (IP-67) and designed to withstand significant physical shocks.

Intrinsic Safe option

AeroScout offers an intrinsically safe (IS), explosion proof version of the T6 GPS Tag, which is specifically built to deliver high-value asset tracking, while meeting strict international regulatory certifications ensuring safety in hazardous environments.

External Power Input

An external power input option is available for the T6 IS GPS Tags. When connected to an external power source the Tag will not consume power from the battery. Once the external power source is disconnected the Tag will automatically revert to the battery power source.



Figure 1: TAG-6000-XP-X1