

The STANLEY Healthcare P-1000 Bi-directional Tag is a component of the enterprise-level visibility solution based on standard Wi-Fi communication for location-based applications. The P-1000 Tag adds further flexibility and scalability to locate patients and staff across a wide variety of applications.

Once deployed, the Tag uses Wi-Fi bi-directional communication to receive firmware and configuration updates from MobileView. This removes the need to manually collect, update and re-deploy tags in the field.

P-1000 Tags optionally come with a Call Button and an embedded Low frequency (125KHz) Receiver.



Figure 1: P-1000 Pendant Tag

Tag Descriptions

The following describes the parts of the P-1000 Tag:

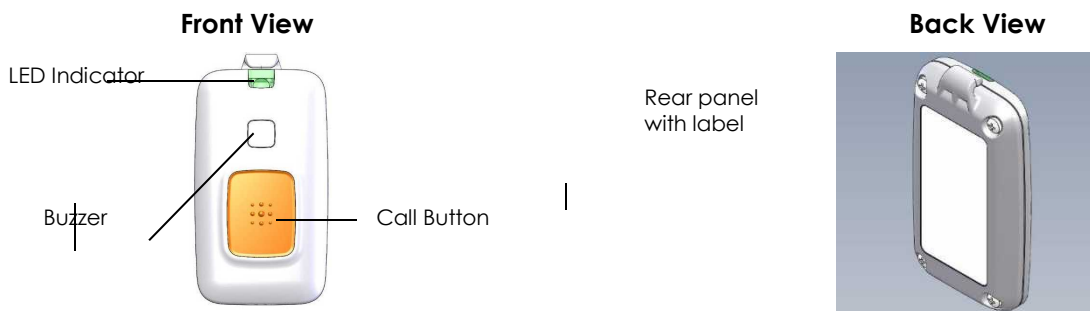


Figure 2: P-1000 Tag Descriptions

P-1000 Tag Features

Beaconing and Bi-directional Communication

The P-1000 Pendant Tag utilizes lightweight beaconing communication (for standard messages) and bi-directional Wi-Fi communication with full network association and authentication (for advanced applications). This unique combination provides a flexible and scalable solution for advanced applications. The Tag can operate with up to four different network SSIDs in a secure or non-secure mode and is able to store up to two network IPs. The Tag also supports both static IP configuration and DHCP.

RF Transmitter operation

In normal (regular) mode the Tag sends Wi-Fi beacon - short message includes Tag unique ID. The RF transmission duration is about 60 usec. Beaconing interval varies from up to 5 minutes and depends of following events processing- Motion, Call button pressing or LF receiver activation. The AeroScout Location Engine receives information from Wi-Fi-based Active RFID Tags and standard Wi-Fi networking devices, and applies multiple complex algorithms to produce highly accurate and reliable location and status data in both indoor and outdoor environments.