



# PLUS EU TAGS

The PLUS EU Vertical and Horizontal Tags are part of the PLUS Real Time Location System (RTLS) and are specifically designed for use in the 27 countries of the European Union (EU). The EU tags include both transmit and receive functionality using UWB at 7.3 GHz for transmission and 2.4 GHz for back-channel reception. The tags allow dynamic configuration of the update rate (ranging from 1 to 10 Hz) and the mode of operation (e.g. active or idle mode), and support replacement of the battery. The EU vertical tag radiates from both the front and back sides of the tag, and the EU horizontal tag radiates from the top only. Both tags provide IP64 ingress protection against dust and liquids and have a customizable overlay.

For installation, the tags can be mounted using the PLUS Tag Mounting Bracket or the integral screw mounting holes. The EU vertical tag also can be worn on a lanyard for personnel tracking. To conserve battery life in the tags, the tag update rate and mode of operation can be dynamically changed to respond to changes in tracking or use. The EU tags also transmit status of their battery in each transmitted packet.

## SPECIFICATIONS

### DIMENSIONS

87mm x 42mm x 10mm

### WEIGHT

0.78 ounces (22g)

### BATTERY TYPE

Replaceable Lithium Coin Cell (CR2430)

### BATTERY LIFE

Dependent on configured update rate and operating mode

### UPDATE RATE

Software configurable from 1 – 10 Hz

### INGRESS PROTECTION

IP64 (dust tight, water resistant)

### RF TRANSMISSION

Center frequency  
7.3 GHz

### RF RECEPTION

2.4 GHz

### TEMPERATURE

Operating: -20°C to +55°C  
Storage: -30°C to +60°C

### HUMIDITY

Up to 95%, non-condensing

### PART NUMBER

120TEV1 – Vertical Orientation Asset/Badge Tag  
121TEH1 – Horizontal Orientation Asset Tag

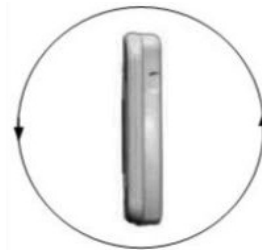
### MOUNTING OPTIONS

Screw Mounting  
Lanyard  
PLUS Tag Mounting Bracket (Part #300TMB1)

### CERTIFICATIONS

EN 302 500  
CE MARK  
RoHS/WEE

## TAG BEAM PATTERNS



**AZIMUTHAL PATTERN**



**ELEVATION BEAM PATTERN**

## FOR MORE INFORMATION

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