



DartTag Portfolio



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Ultra-Wideband Active Tags

Zebra DartTags are small, active tags used in asset and personnel visibility applications. The tags emit short Ultra-Wideband (UWB) pulses that are detected by Zebra's Dart Sensors. Each tag transmits a unique ID that can be associated with a specific asset. The Dart Sensors connect to Zebra's DartHub, which determine the real-time location of the DartTags.

The Zebra DartTag is the world's first UWB tag compliant with the new International UWB Standard, IEEE 802.15.4.f, as well as ISO-24730-61. The Zebra DartTag may be configured to operate in its native Zebra format or in ISO/IEEE format. Like our DartTag, Zebra's UWB Sensors are also ISO/IEEE compliant. With Zebra's standards-compliant UWB solution, you secure your UWB infrastructure investment and extend its capabilities since the infrastructure is compatible not only with Zebra's tags but also other standards-compliant tags.

DartTag transmissions are extremely short in duration, providing excellent real-time location accuracy and permitting thousands of tags to be simultaneously located. The short-duration UWB pulses also result in exceptionally long battery life. For example, the DartTag (programmed at 1 Hz blink rate) can be used to continuously track an asset for over seven years. Tags are powered with a 3V coin cell battery and can be turned on/off and set to a wide range of blink rates using the Zebra DartWand.



DartTag Features

- FCC Part 15.250 and ETSI EN 302 500-1 compliant
- Compliant with International UWB standard, IEEE 802.15.4f, and ISO 24730-61 Draft International standard
- IP67 rated – fully dust and waterproof
- Exceptional performance – Performs in high multi-path environments
- Excellent real-time location accuracy – Better than 30 cm (1 foot) line of sight
- Long tag battery life – Up to 7 years at 1 Hz blink rate
- Long RF Range – Up to 200 meters (650 feet)
- Programmable on/off and wide range of tag transmission rates
- UL 913, Class 1 Division 1, Groups A-D, T4

Two Standard DartTag Form Factors Available

Zebra offers two UWB tag types; the DartTag Asset and Badge models.

Both the DartTag Asset and Badge tags are dust and waterproof (IP67 rated) and are built with robust components designed to withstand multiple 1.8 m (6 feet) drops. For applications in hazardous environments. The Zebra DartTag is also available as Intrinsically Safe per UL 913, Class 1, Division 1, Groups A-D, T4.

 <p>DartTag</p>	 <p>DartTag Badge</p>
<p>The DartTag is a general-purpose asset tag designed to provide uniform RF coverage for asset tracking. It is often used to track high-value assets or simply assets whose real-time location is critical to your business operation. The tag is easily mounted on an asset using straps, ties, or with an optional Snap-On mounting ring.</p>	<p>The DartTag Badge is an asset or personnel tag featuring a low profile form factor. It is often used on personnel tracking applications and is comfortably worn with a lanyard. The tag may also be mounted on assets requiring a low-clearance tag.</p>

SPECIFICATIONS

<p>Models (All ISO and IEEE Standards Compliant)</p> <p>DartTag</p> <ul style="list-style-type: none"> • UWT-1100-A-00AC - Asset Tag (Indoor only) • UWT-1100-A-0IAC - Intrinsically Safe Asset Tag (Indoor) • UWT-1101-A-00AB - Asset Tag (Indoor/Outdoor - IP67) • UWT-1101-A-0IAB - Intrinsically Safe (Indoor/Outdoor - IP67) <p>DartTag Badge</p> <ul style="list-style-type: none"> • UWT-1200-A-00AA - Badge Tag (non IP67) 	<p>Environmental/Physical/Power</p> <p>Operating Temperature -40°C to 70°C (-40°F to 158°F)</p> <p>Storage Temperature -40°C to 30°C (-40°F to 86°F)</p> <p>Environmental Rating IP67</p> <p>Length</p> <ul style="list-style-type: none"> • DartTag: Ø4.0 cm (1.57 in) • DartTag Badge: 4.22 cm (1.66 in) <p>Width</p> <ul style="list-style-type: none"> • DartTag: Ø4.0 cm (1.57 in) • DartTag Badge: 0.71 cm (0.28 in) <p>Height</p> <ul style="list-style-type: none"> • DartTag: 2.0 cm (0.78 in) • DartTag Badge: 7.42 cm (2.92 in) <p>Weight</p> <ul style="list-style-type: none"> • DartTag: 20 gm (0.70 oz) • DartTag Badge: 18 gm (0.63 oz) <p>Power BR2335</p>	<p>Regulatory Approvals</p> <p>United States FCC Part 15 subpart C (15.250)</p> <p>Canada ICES-003, RS-220, and RSS-GEN. Indoor use only.</p> <p>European Union CE, EN50371, ETSI 301 489-1, ETSI 301 489-33, ETSI EN 302 500-1</p> <p>Intrinsically Safe Rating UL 913, Class 1, Division 1, Groups A-D, T4</p> <p>Mounting Options</p> <p>Typical Mounting</p> <p>DartTag</p> <ul style="list-style-type: none"> • Snap-On Mounting Ring (P/N UM-400-01) • Strap, tie, mounting tape <p>DartTag Badge</p> <ul style="list-style-type: none"> • Badge Clip (UM-410-00)
<p>Pre-Programmed Blink Rate</p> <p>Blink Rate (Hz) Programmable from 0.01 to 200 Hz</p>		

Specifications are subject to change without notice.

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