Zebra UWB Tag Portfolio

Ultra-wideband Active Tags

Zebra UWB Tags 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 UWB Sensors. Each tag transmits a unique ID that can be associated with a specific asset. The UWB Sensors connect to Zebra's UWB Hub, which determine the real-time location of the UWB Tags.

The Zebra UWB Tag 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 UWB Tag may be configured to operate in its native Zebra format or in ISO/IEEE format. Like our UWB Tag, 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.

UWB Tag 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 UWB (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 UWB Wand.

Zebra UWB Tag 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 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 UWB Tag Form Factors Available

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

Both the UWB Tag 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 UWB Tag is also available as Intrinsically Safe per UL 913, Class 1, Division 1, Groups A-D, T4.

Zebra UWB Tag	
	The UWB Tag 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.

Zebra UWB Tag Badge	
	The UWB Tag 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.

PRODUCT SPECIFICATIONS

Models (All ISO and IEEE Standards Compliant)	UWB Tag • 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) UWB Tag Badge • UWT-1200-A-00AA - Badge Tag (non IP67)

PRE-PROg RAmmED Bl INk RATE

Blink Rate (Hz)	Programmable from 0.01 to 200 Hz

ENv IRONmENTAl /PHy SICAl /POWER

Operating Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Temperature	-40°C to 30°C (-40°F to 86°F)
Environmental	IP67
Length	• UWB Tag: Ø4.0 cm (1.57 in) • UWB Tag Badge: 4.22 cm (1.66 in)
Width	• UWB Tag: Ø4.0 cm (1.57 in) • UWB Tag Badge: 0.71 cm (0.28 in)
Height	• UWB Tag: 2.0 cm (0.78 in) • UWB Tag Badge: 7.42 cm (2.92 in)

Weight	• UWB Tag: 20 gm (0.70 oz) • UWB Tag Badge: 18 gm (0.63 oz)
Power	BR2335

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United States	FCC Part 15 subpart C (15.250)
Canada	CES-003, RS-220, and RSS-GEN. Indoor use only
European Union	CE , EN50371, ETSI 301 489-1, ETSI 301 489-33, ETSI EN 302 500-1 CE Ex
Intrinsically Safe Rating	UL 913, Class 1, Division 1, Groups A-D, T4

mOUNTINg OPTIONS

Typical Mounting	UWB Tag • Snap-On Mounting Ring (P/N UM-400-01) • Strap, tie, mounting tape UWB Tag Badge • Badge Clip (UM-410-00)

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