CHICKADEE - Wearable Badge Tracker

Outdoor and Indoor Personnel and Asset Tracking

CHICKADEE is a cutting-edge LoRaWAN® device designed to revolutionize the way you keep track of your people and assets. Utilizing the low-power positioning capabilities of LoRa Edge™, the CHICKADEE badge offers GPS, BLE and Wi-Fi positioning. CHICKADEE is ideal for tracking personnel and valuable assets at any jobsite or while in transit.

- Construction Sites
- Warehouses
- Manufacturing Facilities
- Multi-Building Campuses

Technical and Functional System Specifications

General System Parameters

Operational Temperature	-10°C to +55°C
Ingress Protection	IP65
Size	96 x 60 x 12 mm
Battery	Custom Rechargeable Battery
External Power	12V

Regulatory Compliance

Safety	IEC 62368-1 (CE)
Regulatory	ETSI EN 300 220
	ETSI EN 301-489-1/-3
	FCC 15.247 FCC 15.209
	RSS-247 RSS-GEN

LoRa Parameters

RF Power	15 dBm
RF Sensitivity	-132 dBm (NA) -139 dBm (EU)
ISM Band	All Global ISM Bands
Antenna	Internal
LoRa Device Class	Class A

Key Features

» 6+ Months Battery Life (Rechargeable)

» Optional 12V External Power

» Accelerometer

» Passive RFID

» Bluetooth Low Energy Functionality

» Outdoor Positioning via GPS and Low-Power GNSS

» Indoor Positioning via BLE and Wi-Fi Sniffing

» Configurable Button for Event-Based Uplinks

» Badge Form Factor

» Easily Integrated into LoRaWAN® Networks

» Internal Antenna

» All Global ISM Bands

Specifications subject to change without notice

Geolocation Options

BLE	iBeacon, Eddystone UID, Eddystone TLM
GPS	GPS (Max10), GNSS (LR1110), BeiDou, geostationary
WI-Fi MAC address	802.11 b/g/n

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UC-Wireless is a leading MEA distributor of best-of-breed communication technology and systems. As part of our comprehensive solutions, we proudly distribute TEKTELIC Communications, a premier manufacturer of world-class LoRaWAN ® IoT Gateways, Sensors, and custom applications. Partnering with TEKTELIC and our other OEMs allows us to deliver enterprise-grade, end-to-end IoT solutions that are easily, quickly, and cost-effectively deployed across industries to meet even the most demanding IoT challenges. Visit us at uc-wireless.com for more information.