

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
- Manufacturing Facilities
- Warehouses
- Multi-Building Campuses

Technical and Functional System Specifications

General System Parameters

Operational Temperature	-10°C to +55°C
Ingress Protection	IP67
Size	96 x 60 x 12 mm
Battery	Custom Rechargeable Battery
External Power	12V

Regulatory Compliance

Safety	IEC 62368-1 (C	E)
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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TEKTELIC Communications is a premier supplier of best-in-class LoRaWAN® IoT Gateways, Sensors, and Custom Applications. These elements combined provide a powerful end-to-end solution that can be easily, quickly, and cost effectively deployed to address the most demanding IoT challenges.

For more information please visit www.tektelic.com