

# 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	IP67
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
» GPS & GNSS Scanning for Outdoor Tracking*
» BLE & Wi-Fi Scanning for Indoor Tracking*
» Configurable Button for Event-Based Uplinks
» Badge Form Factor
» Easily Integrated into LoRaWAN® Networks
» Internal Antenna
» All Global ISM Bands

\*Requires integration with a compatible geolocation platform

### Geolocation Options

BLE	iBeacon, Eddystone UID, Eddystone TLM
GPS	GPS (Max10), GNSS (LR1110), BeiDou, geostationary
Wi-Fi MAC address	All Global ISM Bands

\*Specifications subject to change without notice