

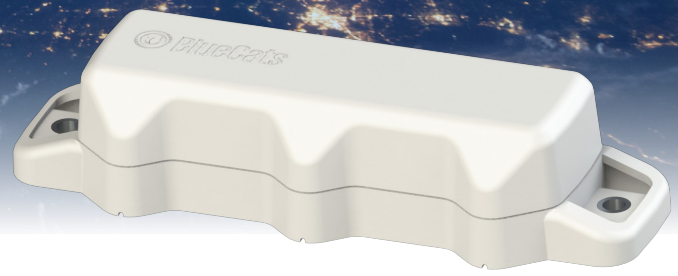


BC2500 Tag

A rugged device designed to locate assets within large controlled sites such as yards, construction, and mine sites, the BC2500 Tag solves its own location via GPS and broadcasts its coordinates via Bluetooth Low Energy. This clever combination of GPS and Bluetooth LE eliminates the need for expensive data plans for every single asset.

The BC2500 Tag delivers high levels of accuracy (2.5 meters CEP) with an incredible battery life of up to 10 years.

BlueCats ProxPoints can collect the location data from thousands of BC2500 Tags over 200 meters away. Our Loop Cloud platform aggregates all location data and provides user access to live searches, reports, and visualisations ranging from many sites across the world down to a single BC2500 Tag.



BLUECATS SCALABLE GPS



**REAL-TIME
VISIBILITY OF
ASSETS**



**DATA PLANS
METERED BY SITE,
NOT BY ASSETS**



**FIND EVERYTHING,
FAST**

Benefits



EXTREME BATTERY LIFE

- 10 years at 6 fixes per day
- Configurable GPS fix interval
- Accelerometer means BC2500 Tags know when they have been moved



CONSISTENTLY FANTASTIC POSITIONING

- Accurate positioning via GNSS (GPS, Galileo, GLONASS)
- Smart interference suppression maintains accuracy in challenging environments
- Geocaching ensures BC2500 Tags learn from their last position and continually improve their accuracy



CUSTOMIZED CONTROL

- Centralized device management (ProxPoints & BC2500 Tags)
- Over-the-air updates (firmware)
- Device diagnostics (temp, performance, battery status)



FLEXIBLE SITE INFRASTRUCTURE

- Fixed ProxPoints can run powered/solar, networked/LTE
- Mobile ProxPoints fixed to service vehicles or drones
- Smartphones/tablets enable in-field BC2500 Tag/asset association and locating



INTEGRATED DIGITAL AWARENESS

- Centralized visibility is accessible to multiple business units
- Supply chain visibility via upstream tagging
- Customer service via live asset status



BUILT TO LAST

- Temp range -40 to 85 °C
- Rugged IP67 rated
- Versatile mounting options



BRILLIANT RANGE, CAPACITY & ROI

- Line of sight over 200 meters
- Site capacity measures in '000s
- Data plans applied to ProxPoints and sites, not to every asset



For What

- Trailers / Chassis
- Rail cars
- Containers
- Structural materials
- Vehicles
- Heavy equipment

For Who

- Construction
- Oil, Gas, and Mining
- Port and Intermodal
- Lay down yards
- Supply chain
- Equipment rental

Works Great With

- Hardware - BlueCats ProxPoint
- Software - BlueCats Loop Cloud
- Mobile - Bluetooth LE-enabled iOS and Android devices

MECHANICAL

Dimensions	185 mm (H) × 53 mm (W) × 42 mm (D)
Weight	260 g
Mounting Types	Straps, Cable ties, Screws, Rivets, Glue, Epoxy, Nails
Mounting Options	Hook, Magnets
Enclosure Material	Sealed PC-ASA Thermoplastic

POWER

Battery Size	D Cell Lithium Thionyl Chloride
Battery Capacity	19 Ah
Battery life	10 years, typical, at 6 fixes/day 6 years, typical, at 15 fixes/day

SENSORS

Temperature	Internal nRF528XX sensor
Accelerometer	3-axis linear accelerometer (optional)
Button	Magnetic switch

ENVIRONMENTAL

Operating Temperature	-40°C to +85°C
Ingress Protection	IP67

GPS

SOC	UBlox SAM-M8Q-0-10
Constellations	GPS, Galileo, GLONASS
Horizontal Accuracy	2.5 m, CEP
Receive Sensitivity	-155 dBm
Antenna	Patch

BLE

Version	5+
Frequency	2.402 GHz to 2.480 GHz
Module	Nordic nRF52840
Tx Interval	configurable, from 20ms to 10 seconds
Tx Power	configurable, up to +8 dBm
Rx Sensitivity	n/a
Range	up to 200 m with BlueCats ProxPoint
Antenna	PCB
Protocols	Eddystone, iBeacon
OTA Updates	Yes, with BC Reveal app

CERTIFICATIONS

FCC	Yes
IC	Yes
CE	Yes
RCM	Yes

Huntsville, Alabama
6767 Old Madison Pike NW, Suite 300
Huntsville, AL 35806
+256 217 4072

Austin, Texas
2404 Rutland Drive, Suite 175
Austin, TX 78758
+1 256 217 4072

Sydney Australia
Ground Floor, 1 Northcliff St
Milsons Point NSW 2061, Australia
+61 2 8912 7700



Get in touch
sales@bluecats.com
bluecats.com