



ProxPoint

Each BlueCats ProxPoint is configured to consider signal strength and apply algorithms that indicate that a Bluetooth LE tag is "in range", effectively monitoring a zone to determine which tags are in range at any given time.

These ranges are configurable in order to tune the size of the coverage zone on a case by case basis. By installing ProxPoints throughout a work site, a person or asset's zonal position can be tracked as they move from one ProxPoint zone to the next.



Features



IP67 RATED

Designed for harsh industrial environments or outdoor applications



UV, CHEMICAL RESISTANT



ETHERNET 1 X 10/100M, 1 X POE



TEMP RANGE -18°C TO +65°C



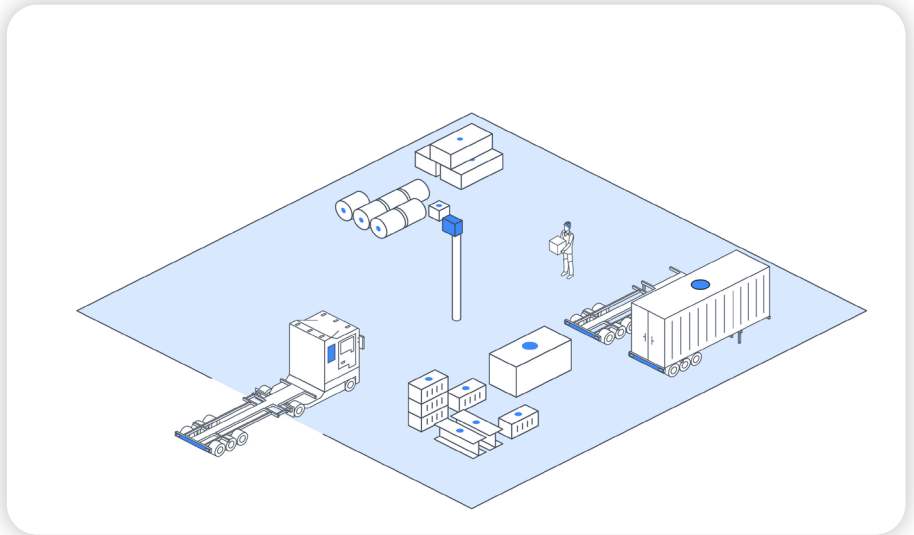
WIFI 802.11 B/G/N 2.4 GHZ



5V-24V INPUT RANGE

Solar, Battery & LTE options available

Solution Visualisation



Works Great With

- BC313
- BC2401
- BC2510
- BC2500



Specifications

CONSTRUCTION

Form Factor	BLE Gateway
Dimensions	58mm(H) x 58mm(W) x 26mm(D)
Weight	54g
Power Options	Line or Solar
Power Draw	1A Max
Operating Temperature	-18°C to +65°C

RADIO

Bluetooth Specification	Bluetooth 4.2
Frequency	2.402GHz to 2.480GHz
Transmit Power	5 dBm to -23 dBm
Receiver Sensitivity	-97dBm
Antenna	PCB / External Whip / Directional antenna

BLUETOOTH

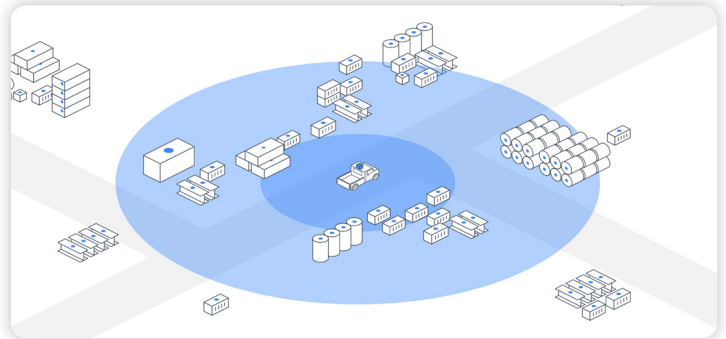
Proximity Detection, Line of Sight	Up to 400m
Normal Operation	100m

DEVICE

System-On-Chip	Atheros AR9331
CPU	400Mhz
Flash	16mb
RAM	64mb
Ethernet	2 x 10/100M, 1 POE
WiFi	802.11 b/g/n 2.4 GHz with PCB antenna
Max Transmit Power	18dBm
Bluetooth 4.2 (BLE)	BC011 (TI CC2640) - with external antenna
OS	OpenWrt CC 15.05
Protocols	UPD / MQTT / HTTP(S)

Variations

Mobile ProxPoint



Uses

- Covering remote areas where standard ProxPoints may not be installed

Features

- Mount to service vehicles that traverse a worksite
- Continually scan and crowdsource Bluetooth LE Tag signals
- LTE and GPS
- 12VDC Power Adaptor

Pole Mount Option

