

mBEACON1

Ideal for both engagement and presence applications. The mBeacon1 is a single transmitter beacon that can engage Bluetooth LE devices in proximity. The mBeacon1 transmits a wireless BLE signal that can be used to trigger events and engage mobile clients regardless of smartphone operating system. The mBeacon1 also supports a variety of business optimization applications such as workforce management, asset management, tracking and logistics.



DIMENSIONS	USB 18 x 13 x 5 mm (0.7 x 0.51 x 0.2 in) Lithium Battery (Coin Cell 2477) 38 x 28 x 10 mm (1.5 x 1.1 x 0.4 in) High Capacity Lithium Battery (19,000mAh)
WEIGHT	0.1 oz. / 2.8 g (USB) 0.6 oz. / 18 g (with Lithium Battery)
PROCESSOR	ARM Cortex M0 MCU
OPERATING SYSTEM	n/a
REMOVABLE STORAGE	n/a
WI-FI FEATURES	n/a
BLUETOOTH LE FEATURES	Apple's iBeacon Google's Eddystone Custom Profiles L2CAP, ATT, GATT, GAP Peripheral & Central Mode
BLUETOOTH CLASSIC FEATURES	n/a
ENVIRONMENT	Operating Temperature: -40°C to 85°C Humidity: 5 to 95% Non-Condensing
RADIO FREQUENCIES	Wi-Fi: n/a Bluetooth LE: 2.4GHz
OUTPUT POWER	Wi-Fi: n/a Bluetooth LE: Up to 0dBm (Rx -93dBm)
RANGE	Wi-Fi (LOS): n/a Bluetooth LE (LOS): 30-100m
POWER SUPPLY	Battery: AA or Lithium Coin Cell USB input: 5 V DC @ 500mA max Indoor Ambient Light: Amorphous Silicon (a-Si) PV cell
OPTIONAL MOUNTING OPTIONS	Adjustable Mounting Bracket Ceiling / Wall Mounting Plate Weatherproof Package Charging Clip
APPLICATIONS	Proximity Beacon, Asset Tagging (Active RFID) Workforce Management, Supply Chain, Logistics, IoT sensing applications

Product Highlights

- Ease of Maintenance
- Multiple mounting options available
- Configurable transmit power and receive sensitivity
- Flexible form factors and power options
- Seamless integration with Netclearance gateways
- White-label housings
- On-premise or Cloud Data Analytics
- Extended battery-life (battery powered models)
- Plug-n-Play Deployment
- Integrated enterprise security (AES, SHA, ECC)
- Cloud connectivity (Wi-Fi, Ethernet, Mesh)
- Sleek industrial design
- Supports multiple enterprise applications

Health Care Use Cases

- #### Hospitality
- Guest Dwell Time & Analytics
 - Effortless Check-in
 - New & Return Visitors Analytics
 - Footpath & Way Finding
 - Branded, Private Wi-Fi
 - Customized Messaging

Retail

- In-Store Analytics
- Footpath & Way Finding
- Private Wi-Fi
- Proximity Marketing
- Sales Conversion
- Mobile Payments

Width
38mm (1.5 in)



Height
10mm (.4 in)

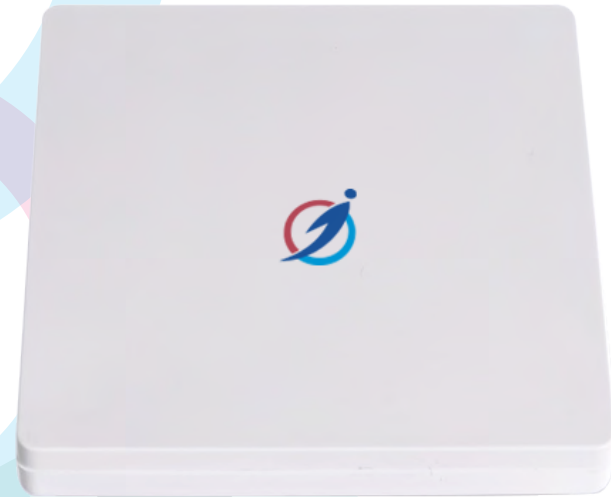


Depth
28mm (1.1 in)

mBEACON2

Perfect for engagement applications. The mBeacon2 is a dual transmitter beacon that engages Wi-Fi and Bluetooth LE devices in proximity. The mBeacon2 transmits a Wi-Fi and BLE signal simultaneously that can trigger events and engage mobile clients regardless of smartphone operating systems.

The mBeacon2 can also act as an IoT Gateway (BLE-to-WiFi) hub sensor for logistics and asset tracking applications.



Product Highlights

- Ease of Maintenance
- Multiple mounting options available
- Configurable transmit power and receive sensitivity
- Flexible form factors and power options
- Seamless integration with Netclearance gateways
- White-label housings
- On-premise or Cloud Data Analytics
- Extended battery-life (battery powered models)
- Plug-n-Play Deployment
- Integrated enterprise security (AES, SHA, ECC)
- Cloud connectivity (Wi-Fi, Ethernet, Mesh)
- Sleek industrial design
- Supports multiple enterprise applications

Health Care Use Cases

- #### Hospitality
- Guest Dwell Time & Analytics
 - Effortless Check-in
 - New & Return Visitors Analytics
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Retail

- In-Store Analytics
- Footpath & Way Finding
- Private Wi-Fi
- Proximity Marketing
- Sales Conversion
- Mobile Payments

DIMENSIONS	USB 70 mm x 70 mm x 34 mm 2AA Battery 74 x 45 x 25 mm (2.9 x 1.7 x 0.98 in)	
WEIGHT	0.75 oz. / 21 g (USB) 2.8 oz. / 80 g (with 2 AA Batteries)	
PROCESSOR	Atmel MCU	
OPERATING SYSTEM	n/a	
REMOVABLE STORAGE	n/a	
WI-FI FEATURES	TCP and UDP HTTP/HTTPS DHCP and DNS	Client Mode AP Mode WEP, WPA, WPA2
BLUETOOTH LE FEATURES	Apple's iBeacon Google's Eddystone Custom Profiles L2CAP, ATT, GATT, GAP Peripheral and Central Mode	
BLUETOOTH CLASSIC FEATURES	n/a	
ENVIRONMENT	Operating Temperature: -40°C to 85°C Humidity: 5 to 95% Non-Condensing	
RADIO FREQUENCIES	Wi-Fi: 2.4GHz Bluetooth LE: 2.4GHz	
OUTPUT POWER	Wi-Fi: up to +17dBm (Rx -97dBm) Bluetooth LE: Up to 0dBm (Rx -93dBm)	
RANGE	Wi-Fi (LOS): 300-500m Bluetooth LE (LOS): 30-100m	
POWER SUPPLY	Battery: AA USB input: 5 V DC @ 500mA max	
EXTERNAL INTERFACES	USB, UART, NFC, RS-232	
OPTIONAL MOUNTING OPTIONS	Adjustable Mounting Bracket, Ceiling/Wall Mounting Plate, USB Power Adapter Weatherproof Package, Charging Clip	
APPLICATIONS	Dual-mode Proximity Beacon (BLE + Wi-Fi), Proximity Marketing, Wi-Fi AP/Client, Proximity Payment, Access Control, IoT Gateway, BLE Gateway	

Width
70 mm (2.756 in)



Depth
70 mm (2.756 in)



Height
34 mm (1.33 in)

mBEACON3

Ideal for high-performance enterprise-grade proximity applications. The mBeacon3 is the industry's first PC (Proximity Computer) with a 1Ghz processor running embedded Linux and integrated Wi-Fi (802.11) and BLE radio technology. Small, compact, all-plate-mountable form factor easily installs indoors and outdoors with remote monitoring and maintenance through cloud-based management. The mBeacon3 also supports a variety of connectivity options via integrated Wi-Fi, Ethernet (PoE) and Cellular (with modem card). The mBeacon3 supports a variety of business optimization applications such as offline analytics, mobile engagement, workforce management, asset tracking and logistics. offline analytics, mobile engagement, workforce management, asset tracking and logistics.



DIMENSIONS	PoE 83 x 83 x 34 mm (3.26 x 3.26 x 1.33 in)	
WEIGHT	4.17 oz. / 118 g (PoE)	
PROCESSOR	Freescale i.MX 6SoloLite 1Ghz	
OPERATING SYSTEM	Linux	
REMOVABLE STORAGE	SD SDHC Card (4GB, 32GB, 64GB, 128GB)	
WI-FI FEATURES	TCP and UDP HTTP/HTTPS DHCP and DNS	Client Mode AP Mode WEP, WPA, WPA2
BLUETOOTH LE FEATURES	Apple's iBeacon Google's Eddystone Custom Profiles L2CAP, ATT, GATT, GAP Peripheral and Central Mode	
BLUETOOTH CLASSIC FEATURES	Enhanced Data Rate (EDR)	
ENVIRONMENT	Operating Temperature: -40°C to 85°C Humidity: 5 to 95% Non-Condensing	
RADIO FREQUENCIES	Wi-Fi: 2.4GHz Bluetooth LE / EDR: 2.4GHz	
OUTPUT POWER	Wi-Fi: up to +17dBm (Rx -97dBm) Bluetooth LE: Up to 0dBm (Rx -93dBm)	
RANGE	Wi-Fi (LOS): 300-500m Bluetooth LE (LOS): 30-100m	
POWER SUPPLY	Power-over-Ethernet (PoE): IEEE 802.3af Compatible DC input: 5V DC @ 1A USB input: 5 V DC @ 500mA max	
EXTERNAL INTERFACES	USB, UART, NFC, RS-232	
OPTIONAL MOUNTING OPTIONS	Adjustable Mounting Bracket, Ceiling / Wall Mounting Plate, Weatherproof Package	
APPLICATIONS	Web based Management and Configuration, Wi-Fi AP / Client / Captive Portal, Active RFID Reader, Wi-Fi Offline Analytics (Presence), BLE to Wi-Fi Gateway, Proximity Payments	

Product Highlights

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- Multiple mounting options available
- Configurable transmit power and receive sensitivity
- Flexible form factors and power options
- Seamless integration with Netclearance gateways
- White-label housings
- On-premise or Cloud Data Analytics
- Extended battery-life (battery powered models)
- Plug-n-Play Deployment
- Integrated enterprise security (AES, SHA, ECC)
- Cloud connectivity (Wi-Fi, Ethernet, Mesh)
- Sleek industrial design
- Supports multiple enterprise applications

Health Care Use Cases

- #### Hospitality
- Guest Dwell Time & Analytics
 - Effortless Check-in
 - New & Return Visitors Analytics
 - Footpath & Way Finding
 - Branded, Private Wi-Fi
 - Customized Messaging

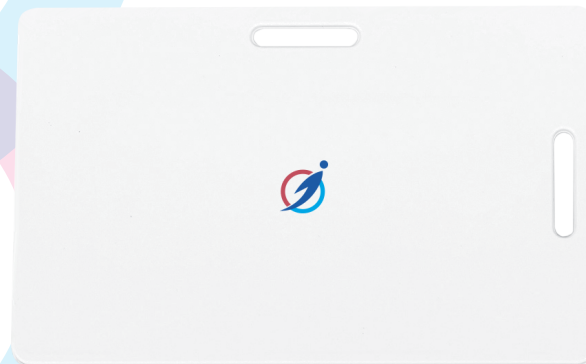
Retail

- In-Store Analytics
- Footpath & Way Finding
- Private Wi-Fi
- Proximity Marketing
- Sales Conversion
- Mobile Payments



mBeaconBadge

A smart active credit-card sized badge solution that combines sensors with bidirectional NFC memory, energy harvesting (patent-pending) and a BLE transceiver to support near-field and proximity based transactions for indoor location, access control, asset tagging, visitors management systems, and more.



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- Extended battery-life (battery powered models)
- Plug-n-Play Deployment
- Integrated enterprise security (AES, SHA, ECC)
- Cloud connectivity (Wi-Fi, Ethernet, Mesh)
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Health Care Use Cases

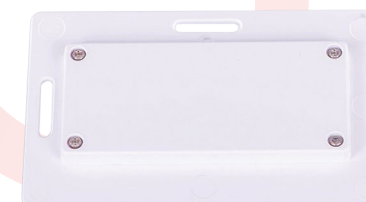
- #### Hospitality
- Guest Dwell Time & Analytics
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Retail

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- Footpath & Way Finding
- Private Wi-Fi
- Proximity Marketing
- Sales Conversion
- Mobile Payments

DIMENSIONS	ISO / IEC 7810 ID-1 85.60 mm x 53.98 mm
WEIGHT	0.1 oz. / 2.8 g.
PROCESSOR	ARM Cortex M0 MCU
OPERATING SYSTEM	n/a
REMOVABLE STORAGE	n/a
WI-FI FEATURES	n/a
BLUETOOTH LE FEATURES	Apple's iBeacon Google's Eddystone Custom Profiles L2CAP, ATT, GATT, GAP Peripheral & Central Mode
BLUETOOTH CLASSIC FEATURES	n/a
ENVIRONMENT	Operating Temperature: -40°C to 85°C Humidity: 5 to 95% Non-Condensing
RADIO FREQUENCIES	NFC: 13.56 MHz Bluetooth LE: 2.4GHz
OUTPUT POWER	Bluetooth LE: Up to 0dBm (Rx -93dBm)
RANGE	NFC: Up to 20cm Bluetooth LE (LOS): 30-100m
POWER SUPPLY	Battery: Lithium Cell
OPTIONAL MOUNTING OPTIONS	Adjustable Mounting Bracket Weatherproof Package
APPLICATIONS	Proximity Beacon Asset Tagging (Active RFID) Workforce Management Supply Chain Logistics Mobile Payments Access Control Security Tracking

Width
85.6 mm (3.37 in)



Length
53.98 mm (2.12 in)



Height
3 mm