



## xBeacon3

Ideal for high-performance enterprise-grade proximity applications. The xBeacon3 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, wall-plate-mountable form factor easily installs indoors and outdoors with remote monitoring and maintenance through cloud-based management. The xBeacon3 also supports a variety of connectivity options via integrated Wi-Fi, Ethernet (PoE) and Cellular (with modem card). The xBeacon3 supports a variety of business optimization applications such as offline analytics, mobile engagement, workforce management, asset tracking and logistics.

## Product Highlights

- + Ease of Maintenance
- + Multiple mounting options available
- + Configurable transmit power and receive sensitivity
- + Flexible form factors and power options
- + Seamless integration with PayX 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

## Industries

### Hospitality

- + Guest Dwell Time & Analytics
- + Effortless Check-in
- + New & Return Visitors Analytics
- + Footpath & Way Finding
- + Branded, Private Wi-Fi
- + Customized Messaging & On-property Offerings

### Retail

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

### Brands

- + Branded, Private Wi-Fi
- + Proximity Marketing

### Marketing Agencies

- + Capitalize on New Technologies to Win Business
- + Contextual Offers
- + Granular Insight to Individuals & their Shopping Habits
- + Possess the Ability to Market to the Customer while in the Store

### Healthcare

- + High Value Asset Tracking
- + Footpath & Way Finding

### Out-Of-Home

- + Trigger Personalized Messages on Digital Signature

### Logistics

- + Track Valuable Assets Anywhere in the World
- + Measure Temperature, Humidity, Lighting, Barometer Speed, Elevation

## Technical Specifications

**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 Client Mode  
HTTP/HTTPS AP Mode  
DHCP and DNS WEP, WPA, WPA2

**BLUETOOTH LE FEATURES** Apple's iBeacon  
Google's Eddystone  
Custom Profile  
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** WWi-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  
Ethernet  
Wi-Fi

**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

