

Cradlepoint MC20BT Bluetooth Module

Adds Bluetooth beacon or sensor gateway function to all-in-one routers



Cradlepoint offers an easy way to add Bluetooth to branch locations as a part of a robust, secure, cloud-managed IT network. The Cradlepoint MC20BT is a Bluetooth Low Energy (BLE) 5.1 module and antenna that can be added to the expansion slot of the E300 and E3000 Series routers to provide Bluetooth connectivity plus networking in one device. Instead of requiring dedicated Bluetooth gateways with a distinct management console and network, the MC20BT may act as a beacon, gateway, or both for Bluetooth-enabled sensors, enhancing communication between cloud-based applications and the BLE sensors.

Connect to on-location sensors for environmental, occupancy, foot traffic, proximity, and other data to gain situational awareness and drive decision making. Monitor and alert for safe workspaces, track temperatures and assets, as well as connect patient medical devices in clinics. Use the beaconing mode to enable retail and restaurants to engage with customers through proximity marketing.

The MC20BT is part of an IoT solution to provide edge-to-cloud connectivity to deliver telemetry data from Bluetooth sensors to their IoT applications in cloud, such as Microsoft Azure IoT Central or AWS Greengrass IoT Servers.

Key Features:

- Operates in both a gateway mode for sensor connectivity or as a beacon for proximity marketing and location analytics.
- Manages and remotely configures the Bluetooth radio through NetCloud Manager.
- Provides status of the BLE interface as well as client analytics on the dashboard for connected devices.
- Eliminates the hardware and management burden of a dedicated Bluetooth network for small footprint locations.
- Supports Wi-Fi and BLE coexistence to mitigate potential interference.

