



BC188 Wi-Fi Module

Product Brief

BC188 is a Wi-Fi module, ideal for developers who want to quickly and cost effectively integrate Wi-Fi functionality into their products.



BC188 is a highly flexible, low power, small form factor, certified, self contained Wi-Fi module. It comes preloaded with BlueCreation Melody-Wi-Fi software including a TCP/IP stack and a simple UART interface. BC188 can be easily configured and controlled from a the UART interface or by simply connecting to it (BC188 can be an Access Point and a Client) from a Smartphone and controlling it from any browser. Customers can write their own application to run on the BC188 standalone using a LUA script. BC188 suitable for use cases such as consumer products including; wearables, personal health devices or white goods through to industrial application.





Main Features

- Simple UART interface
- TCP/IP Stack included
- Low Power Wi-Fi module with Microcontroller and Antenna
- Cortex-M4F CPU with integrated 512KB RAM, 128KB RAM
- Ultra Low Power modes (Deep Sleep, Standby)
- IEEE 802.11n/g/b, 1x1 SISO, 2.4 GHz and HT20
- Antenna Diversity
- Embedded Stack and TCP/IP, Simple UART interface
- 3xI2S, 3xSPI, 2xI2C, 3xUART, QSPI, Up to 35 GPIOs
- 2 Step ADC with PGA, 2 Channel or 1 Diff channel DAC
- Small form factor (22mm x 15.5mm x 1.5mm)

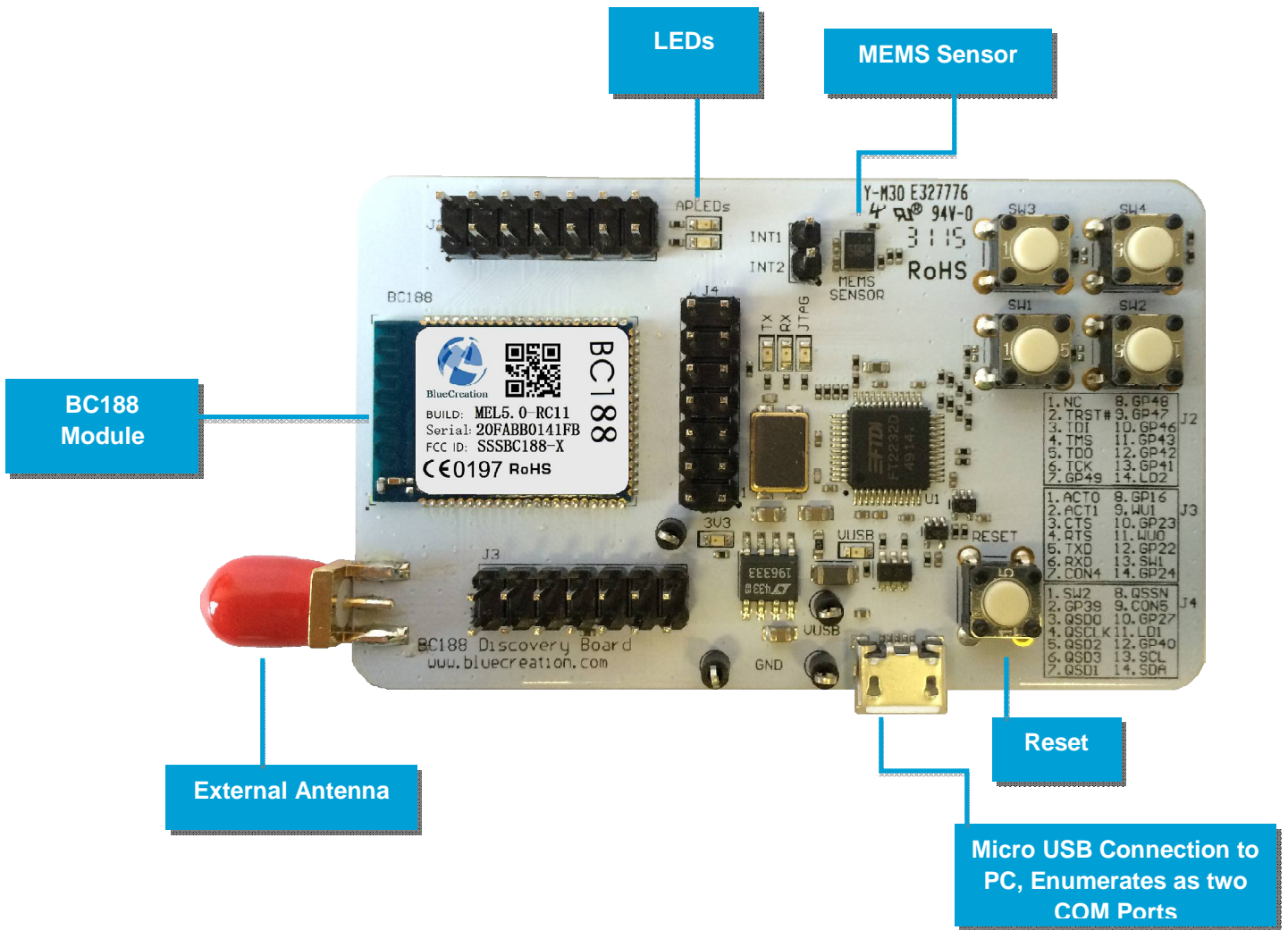
Applications

BC188 is ideal for any development that requires high quality Wi-Fi connection and streaming.

- White Goods/Appliances
- Consumer Devices and Accessories
- Home Automation
- Personal Health Devices
- IoT and Wearable Devices
- Commercial and Industrial Application



Development Kit





Ordering Information

Part number BC188

Order number	Description
BC188	Wi-Fi Module with integrated PCB Antenna
BC188-DISKIT-001	Development kit for the BC188 module