



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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)

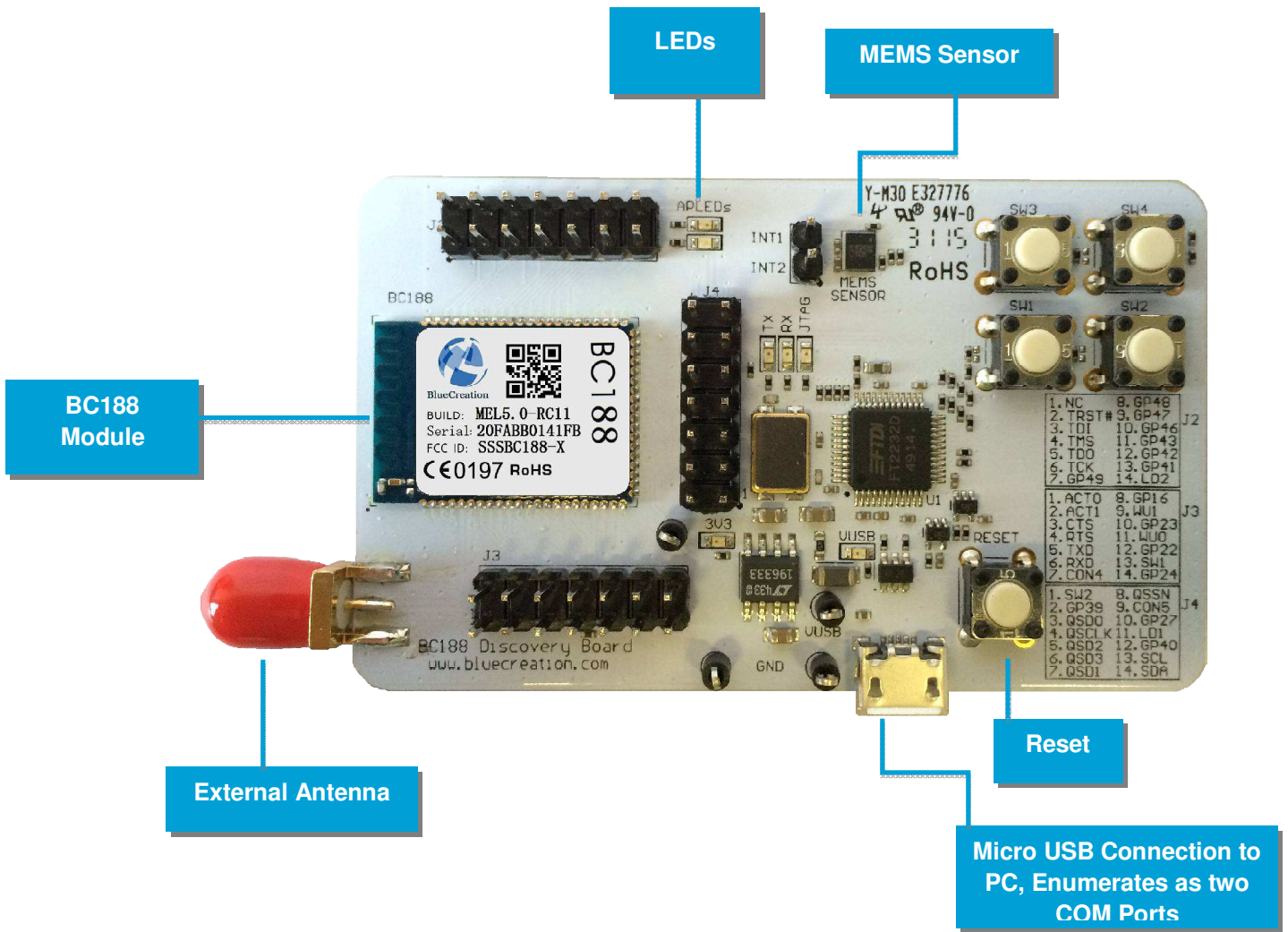
Applications

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