BLUECREATION
BC188
WIFI MODULE

VERSION 1.1

REF: BC188-GENPRES-001

Blue Creation

Most Competitive WiFi Module

- **Wi-Fi module with Microcontroller**
- **Integrated Antenna and Antenna Diversity**
- **Embedded Stack, TCP/IP, Simple UART interface**
- **Can be programmed with BC-LUA script**
- **Up to 72.2Mbps, 20 MHz channels**
- **Low Power, 36µA Deep Sleep**
- **200Mhz Cortex M4 with 128kB SRAM**
- **2 Step ADC with PGA, 2 Channel or 1 Diff channel DAC**
- **Small form factor (22mm x 15.5mm x 1.5mm)**

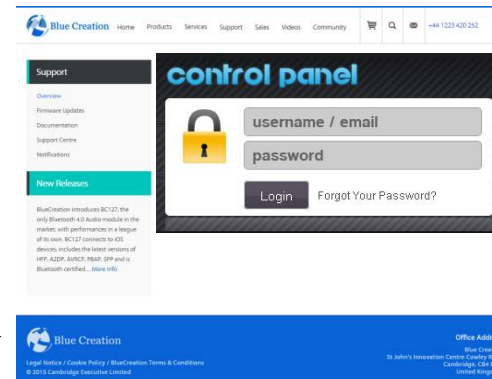→ *Flexible, Low Power Integrated Solution*

Features: Advanced Capabilities

- Access Point and Client Capabilities

- BC-Cloud controlled capabilities

- Integrated File System

- Secure Upgrades Over the Air

- Onboard stack includes SSL/TLS/HTTPS security

- Supports Wi-Fi security: WEP, WPA, WPA2-AES

- Wi-Fi Protected Setup (WPS) for button connection

→ *Includes All Features and Allows for Differentiation*

Cloud Control: Transparent commands

Hardware

Control from a Web browser
-Configuration
-Monitoring of interfaces
-Triggering actions

→ *No embedded development – Control from browser*

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BC-LUA Script and File System

- **Lua is a standard programming language that is easy to learn and embed into your application.**

- **BC188 implements a simple filesystem where users can store and read files and can run LUA scripts.**

- **Users can download their application written in LUA on the BC188 Filesystem and run Standalone.**

- **BC188 comes with BlueCreation default LUA script allowing for control over the UART interface.**

Applications Examples

Wireless sensing

Health and Fitness

Industrial Control
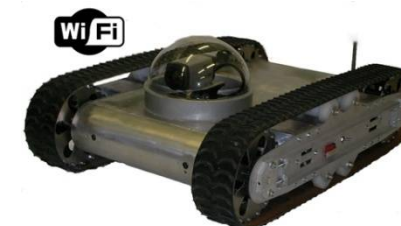
Lighting Control

Environmental Monitoring

Appliance COntrol

Home Automation

Gaming

Robots

Blue Creation

Support: Support/Service Available

- Support email/calls replies in less than 24h
- Ability to Offer Customised Module BC188-Custom
- BlueCreation offers App Development Capabilities
- End to End Solution (Cloud Server/App/Module)
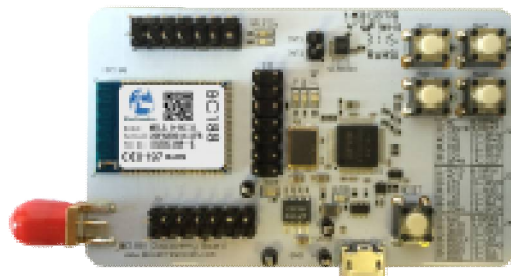
→ *Support and Services to Take you to Production*

BC188 Product Family

BC188-Module

Can be Access Point
and Client at the same
time

BC188-Discovery Kit

Software and Support Packages

Thank You

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