





XBee Wi-Fi Module 2400MHz 72000Kbps 20-Pin - XB2B-WFPT-001

SKU 113990073



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Description

XBee Wi-Fi embedded RF modules provide simple serial to IEEE 802.11 connectivity. By bridging the low-power/low-cost requirements of wireless device networking with the proven infrastructure of 802.11, the XBee Wi-Fi creates new wireless opportunities for energy management, process and factory automation, wireless energy management, process and factory automation, wireless easy provisioning methods and native Device Cloud by Etherios™ connectivity.

XBee Wi-Fi modules give developers the fastest IP-to-device and device-to-cloud capability possible. Focused on the rigorous requirements of these wireless device networks, the module gives developers IP-to-device and device-to-cloud capability.

XBee modules offer developers tremendous flexibility and are available in surface mount and through-hole form factors. The XBee Wi-Fi shares a common footprint with other XBee modules. This allows different XBee technologies to be drop-in replacements for each other.

As a member of the XBee family, the XBee Wi-Fi combines hardware with software for a complete modular solution. XBee Wi-Fi modules are designed to communicate with access points in existing 802.11 infrastructures. Developers can use AT and API commands for advanced configuration options.

FEATURES

- Native Device Cloud integration for data acquisition and device management

Downloaded from Arrow.com xisting 802.11 b/g/n (Wi-Fi) infrastructures

- Common XBee footprint allows OEMs to support a variety of wireless protocols
- Flexible SPI and UART serial interfaces
- Available in Surface Mount and Through-Hole form factors
- Support for low-power sleeping applications with<6 μA power-down current
- Over-the-air data rates up to 72 Mbps
- Simple provisioning methods including Soft AP and Wi-Fi Protected Setup (WPS)

SPECIFICATION

- Serial Data Interface: UART up to 1 Mbps, SPI up to 6 Mbps
- Configuration Method: API or AT commands
- Frequency Band: ISM 2.4 GHz
- ADC Inputs: 4 (12-bit)
- Digital I/O: 10
- Form Factor: Through-Hole, Surface Mount
- Antenna Options: PCB (Embedded), U.FL, RPSMA, Integrated Wire
- Operating Temperature: -30° C to +85° C
- Dimensions (L x W): 0.960 in x 1.297 in (2.438 cm x 3.294 cm)
- Security: WPA-PSK,WPA2-PSK and WEP
- Channels: 13 channels
- Standard 802.11b/g/n
- Data Rates 1 Mbps to 72 Mbps
- Modulationc: CCK, DSSS
- Transmit Power: Up to +16 dBm
- Receiver Sensitivity: -93 to -71 dBm
- Supply Voltage: 3.14 - 3.46 VDC
- Transmit Current: Up to 309 mA
- Receive Current: 100 mA
- Power-Down Current:<6 μA @ 25° C

Technical Details

Dimensions50mm x 70mm x 7.70mm

WeightG.W 4g

BatteryExclude

Part List

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ECCN/HTS

ECCNNot Available

HSCODE8517703000

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- What is the range of this product?
- sean.k.cheong on Nov 04,2017 Reply upvote (1)

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