



Wireless Part Number Search

Type 1CX

Order Number LBEH5UL1CX

Shielded Ultra Small Dual band WiFi 11a/b/g/n/ac 2x2 MIMO+Bluetooth 4.1 Module

- 2.4GHz & 5 GHz WiFi+Bluetooth Module
- Network Topology: AP and STA dual mode
- Chipset: Cypress (CYW4356)
- Processor: No
- Modulation: DSSS / CCK / OFDM



High Performance Capabilities for Internet of Things

- For Industrial IoT, Smart Home, Audio/4K Video/Voice, Gateway
- 802.11 a/b/g/n/ac 2x2 MIMO 866Mbps
- NXP i.MX Linux

Recommended In Production ?

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- Description **Specs** Documents Software Eval Tool Purchase

Annual Volume	100,000
Product Type	Module
Product Status	recommended in production
Grade	4646
Frequency	2.4GHz & 5 GHz
Frequency MHz (min)	2400
Frequency MHz (max)	5825
Chipset	Cypress (CYW4356)
Processor	No
Modulation	DSSS / CCK / OFDM
Antenna	External
RF Conn/ Antenna	Not Included
Sleep Clock	No
System Clock	Internal X'tal
Operating Temperature Range	-20 to +75
Operating Temperature °C (min)	-20
Operating Temperature °C (max)	75
Mounting Type	SMT
Package	LGA
Dimension	11.5 x 8.8 x 1.05mm
Supply Voltage (Vdc)	3.35 - 4.2
Transmit Power	18 dBm @ 11b (2.4GHz) 15.5 dBm @ 11g (2.4GHz) 14.5 dBm @ 11n (2.4GHz) 14.5 dBm @ 11a (5GHz) 13.5 dBm @ 11n (5GHz) 11.5 dBm @ 11ac (5GHz)
Receiver Sensitivity	-57 dBm @ 866Mbps (5GHz)
Transmit Mode Current	450mA @ 11b (2.4GHz) 370mA @ 11g (2.4GHz) 320mA @ 11n (2.4GHz) 370mA @ 11a (5GHz) 350mA @ 11n (5GHz) 380mA @ 11ac (5GHz)
Receive Mode Current	170mA @ 866Mbps (5GHz)
Data Rate WLAN	11, 54, 65, 150, 866 Mbps
Data Rate Bluetooth	3 Mbps
WLAN	802.11a/b/g/n/ac 2x2 MIMO
Bluetooth	4.1 BR/EDR/LE
Power Class	Class 1
Technology	WiFi+Bluetooth
Network	AP and STA dual mode
Host Interface	PCIe
I/O Interface	PCM
Host Interface Other	No
Host Interface BT	UART
Interface Voltage (Vdc for VIO)	1.8 or 3.3
FCC/IC Certified	No
ETSI Certified	No
ISO9001	Yes
TS16969	No

Related Links

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- Support for Wireless
- Wireless Modules for IoT Applications
- Wi-Fi/Bluetooth Modules for NXP i.MX
- LoRa Modules

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