Chipsmall

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

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Type 1DX

Order Number LBEE5KL1DX

2.4GHz Wi-Fi + Bluetooth 4.1 EDR Module
Network Topology: AP & STA dual mode
Chipset: Broadcom BCM4343W
Processor: No
Modulation: DSSS / CCK / OFDM
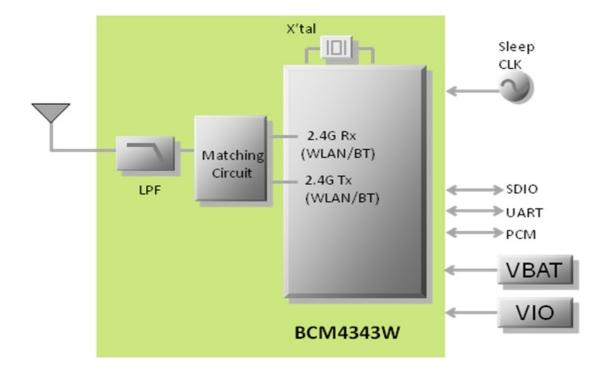
Description

The Type 1DX module is an ultra-small module that includes 2.4GHz WLAN and Bluetooth functionality. Based on Broadcom BCM4343W, the module provide high-efficiency RF front end circuits. The module is designed to fit into small spaces and is smaller than a dime. Minimal external circuitry is required to complete a radio design; add an antenna, power source, clocks, processor, and associated interface hardware and the radio hardware design is complete. To ease Wi-Fi certification, the Type 1DX module complies with IEEE 802.11b/g/n and Bluetooth Version 4.1 plus EDR, Power Class 1 (10dBm max) + BLE. Software is available for Linux and Android.

Specs

Product Type	Module
Grade	Consumer
Frequency	2.4GHz
Frequency MHz (min)	2400
Frequency MHz (max)	2483.5
Chipset	Broadcom BCM4343W
Processor	No
Modulation	DSSS / CCK / OFDM
Embedded Stack	No
Antenna	External
Sleep Clock	Yes
System Clock	Internal X'tal
Operating Temperature Range	-30 to +70C
Operating Temperature °C (min)	-30
Operating Temperature °C (max)	70
Mounting Type	SMT
Package	LGA
Dimension	6.95 x 5.15 x 1.1 mm
Supply Voltage (Vdc)	3.6
Supply Voltage min	3.35 for VBAT
Supply Voltage max	4.2 for VBAT
Transmit Power	+17dBm / 11Mbps
Transmit Mode Current	370mA / 11Mbps
Receive Mode Current	60mA
Data Rate WLAN	11, 54, 65 Mbps
Data Rate Bluetooth	3Mbps
WLAN	802.11b/g/n
Bluetooth	v4.1+EDR
Power Class	Class 1 (10 dBm max)
Technology	Wi-Fi + Bluetooth 4.1 EDR
Network	AP & STA dual mode
Host Interface	SDIO
I/O Interface	PCM for BT audio
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
RoHs Compliant	Yes
ECCN	5A992
ISO9001	No
TS16969	No

Block Diagram