



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
Supply Voltage max
Supply Voltage max
4.2 for VBAT
Transmit Power
+17dBm / 11Mbps
Transmit Mode Current
3.35 for VBAT
4.2 for VBAT
+17dBm / 11Mbps

Receive Mode Current 60mA

Data Rate WLAN 11, 54, 65 Mbps

Data Rate Bluetooth

WLAN

Bluetooth

3Mbps

802.11b/g/n

v4.1+EDR

Power Class Class 1 (10 dBm max)
Technology Wi-Fi + Bluetooth 4.1 EDR
Network AP & STA dual mode

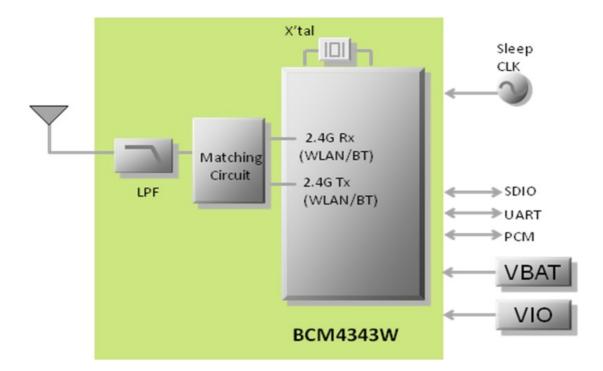
Host Interface SDIO

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



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