Type 2DS module

Wireless connectivity module

Shielded small Wi-Fi® 11b/g/n module

Features

- 2.4GHz Wi-Fi® module with integrated PCB antenna
- Network topology: uAP and STA dual mode Chipset:
- NXP 88W8801
- Processor: No
- Modulation: DSSS / CCK / OFDM
- FCC/CE/IC/TELEC certified

Flexible solution for IoT

- For Industrial IoT, smart home, sensor network, gateway
- 802.11 b/g/n 72.2 Mbps
- NXP MCUXpresso

Description

Type 2DS is a small high-performance module (integrated PCB antenna) based on NXP 88W8801 chipset which supports Wi-Fi® 802.11b/g/n up to 72.2 Mbps PHY data rate. The WLAN interfaces to both SDIO 2.0 and USB 2.0, providing customers flexible design options.

Type 2DS is supported on NXP's powerful MCUXpresso IDE platform with SDK support for i.MX RT crossover MCUs.

Type 2DS Wi-Fi® module provides device manufacturers with an easy-to-design solution for data acquisition, device management, and industrial control applications. RF matching, Antenna design, and Regulatory certification are already taken care of and tested.

The versatile Type 2DS module is packaged in a small form factor that facilitates integration into size- and power-sensitive applications.

More details:

- https://wireless.murata.com/type-2ds.html
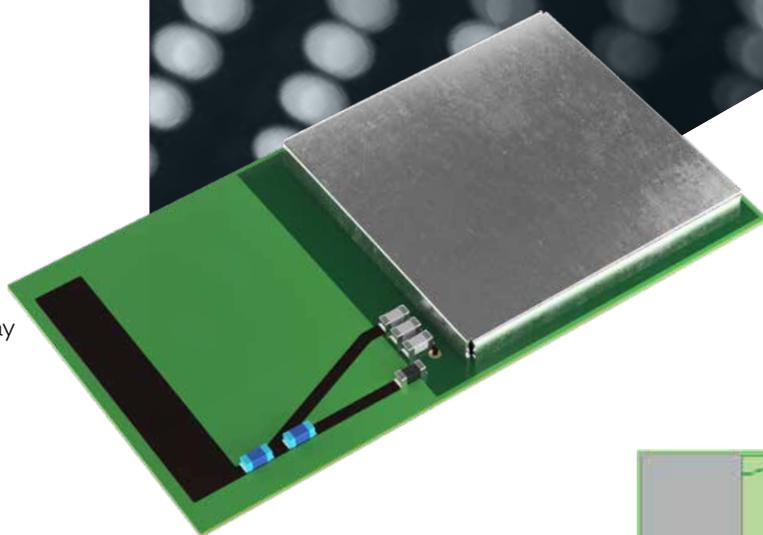
- Size: 25.0 x 14.0 x 2.4mm

Actual size

Type 2DS Specifications

Murata part number	LBWA0ZZ2DS-688
Embedded Artists M.2 module P/N	EAR00386
Technology	Wi-Fi
Chipset	NXP 88W8801
Wi-Fi specification	802.11b/g/n
Bluetooth specification	N/A
Frequency (GHz)	2.4
Hosted/Hostless architecture	Hosted
Software	MCUXpresso
Wi-Fi interface	SDIO 2.0, USB 2.0
Bluetooth interface	N/A
MAX data rate - Wi-Fi (Mbps)	72.2
MAX data rate - Bluetooth (Mbps)	N/A
Interface voltage (V)	1.8, 3.3
Operating temp. Range (°C)	-40 to +85
Antenna configuration	PCB trace antenna
Regulatory certification	FCC/IC, CE, MIC (Planned)

Note: CE marking and declaration should be done by customer as a final product

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