

INDUSTRIAL PRODUCT DATASHEET

Realtek RTL8720DN 2.4G/5G Dual Bands Wireless and BLE5.0 Combo Module

The Realtek RTL8720DN 2.4G/5G Dual Bands Wireless and BLE5.0 Combo Module provides dual-band WiFi and Bluetooth 5.0 connectivity for IoT and wireless control applications.

SKU

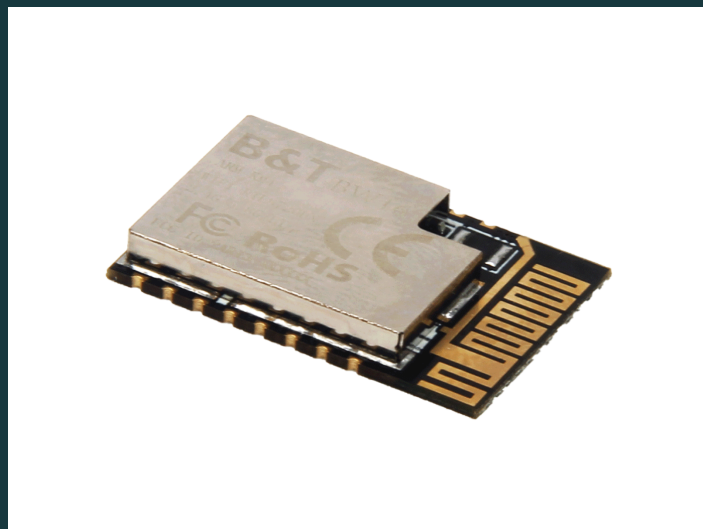
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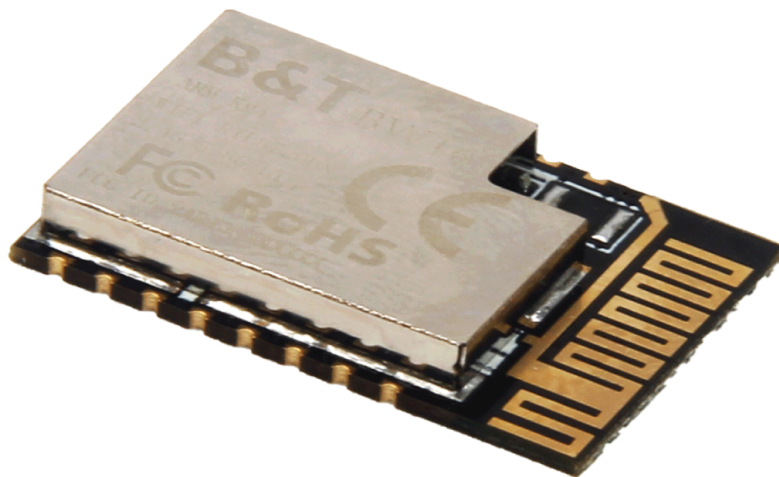
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PRICE

\$3.90(Excl. VAT)



Overview

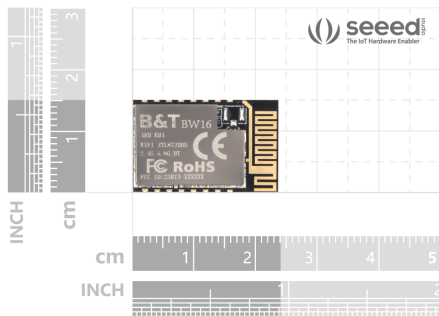
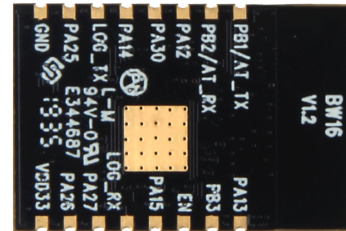
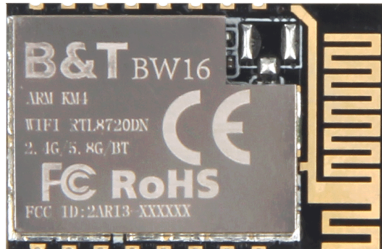


The Realtek RTL8720DN is a dual-band WiFi and BLE5.0 combo module supporting 802.11 a/b/g/n and Bluetooth 5.0 with low power modes. It is suitable for BLE beacons, industrial wireless control, Bluetooth gateways, wearable electronics, security ID tags, and smart home applications.

Key Features

- WiFi and Bluetooth module.
- Support both WiFi 2.4G and WiFi 5G with protocol 802.11 a/b/g/n 1x1 from 20/40 MHz up to MCS7.
- Support WiFi low power mode.
- Support Bluetooth (BLE) 5.0.

Product Gallery



Applications

- BLE beacon
- Industrial wireless control
- Bluetooth gateway
- Wearable electronic devices
- Security ID tags
- Smart home

Compliance & Logistics



HSCODE	8517709000
USHSCODE	8517620090
UPC	
EUHSCODE	8517180000
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- <https://www.seeedstudio.com/Realtek8720DN-2-4G-5G-Dual-Bands-Wireless-and-BLE5-0-Combo-Module-p-4442.html>
- [Datasheet](#)
- [8720DN datasheet](#)
- [Application manual](#)

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