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INDUSTRIAL PRODUCT DATASHEET

RTL8822CE Wireless NIC, 2.4G/5GHz Dual-Band WiFi 5, Bluetooth 5.0, Compatible with Jetson Orin

RTL8822CE Wireless NIC: 2.4G/5GHz dual-band WiFi 5 and Bluetooth 5.0 module with M.2 2230 form factor, up to 867Mbps, and support for Linux and Windows 10/11.

SKU	UPDATED	PRICE
114993556	2026-10-10 08:08:47	$5.69(Excl. VAT)



Overview



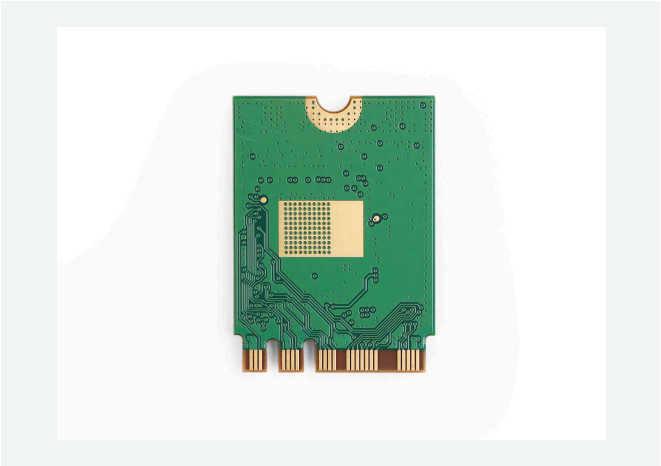
The RTL8822CE Wireless NIC is a 2.4G/5GHz dual-band WiFi 5 module with Bluetooth 5.0, supporting PHY rates up to 867Mbps and IEEE 802.11a/b/g/n/ac standards. It features an M.2 2230 generic A key or E key form factor, MHF4 antenna connectors, DC3.3V±0.2V power supply, and supports Linux and Windows 10/11.

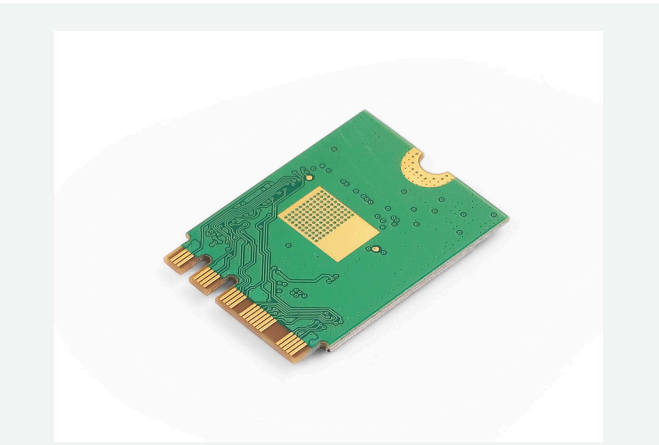
Key Features

- Supports 2.4G/5GHz dual-band
- Wireless PHY rate can reach up to 867Mbps
- IEEE Standards: IEEE 802.11a/b/g/n/ac
- Form factor: M.2 2230 generic A key or E key
- Connect to external antenna through MHF4 connectors
- Power Supply: DC3.3V±0.2V power supply
- Supports Linux, Windows 10/11, etc.

Product Gallery





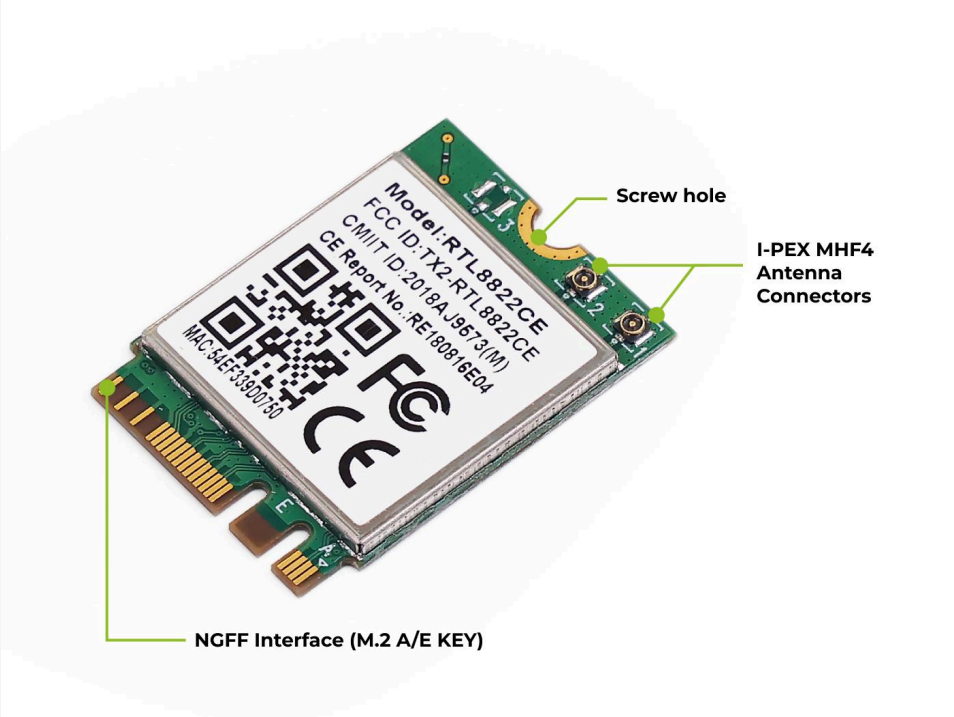




Specification

Chipset	RTL8822CE - CG
WLAN Standards	IEEE802.11a/b/g/n/ac
BT Specification	Bluetooth Core Specification v5.0/4.2/2.1
Host Interface	PCI Express 2.1 for WLAN & USB2.0 FS for Bluetooth
Antenna	Connect to the external antennas through MHF4 connector
Dimension	M.2, 30*22*2.15mm (L*W*H)
Power Supply	DC 3.3V±0.2V @ 1000mA (Max)
Operation Temperature	-20°C to +70°C
Operation Humidity	10% to 95% RH (Non - Condensing)

Hardware Overview



Part List

Wireless-RTL8822CE	x1

Compliance & Logistics



HSCODE	8517799000
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/RTL8822CE-WIFI-Module-p-6313.html
- Datasheet

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