

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

The RTL 8822 CE is a compact Dual-band WLAN+Bluetooth Combo M.2 Card that integrates a 2 T 2 R Dual-band WLAN subsystem with PCI Express controllers and a Bluetooth v 5.0 subsystem with USB support. Compatible with IEEE 802.11 a/b/g/n/ac standards, it delivers a maximum PHY rate of up to 867 Mbps and supports Bluetooth dual mode (v 5.0/v 4.2/v 2.1). Ideal for high-

SKU

114993556

UPDATED

2026-04-18 12:24:12

PRICE

5.690000



Overview



Figure 1. 31703065 Rtl8822Ce Wireless Nic 45Font

The RTL 8822 CE is a compact Dual-band WLAN+Bluetooth Combo M.2 Card that integrates a 2 T 2 R Dual-band WLAN subsystem with PCI Express controllers and a Bluetooth v 5.0 subsystem with USB support. Compatible with IEEE 802.11 a/b/g/n/ac standards, it delivers a maximum PHY rate of up to 867 Mbps and supports Bluetooth dual mode (v 5.0/v 4.2/v 2.1). Ideal for high-performance wireless and Bluetooth connectivity for using with embedded devices such as re Computer J 4012.

Key Features

01

Supports 2.4G/5GHz dual-band

02

Wireless PHY rate can reach up to 867Mbps

03

IEEE Standards
IEEE 802.11a/b/g/n/ac

04

Form factor
M.2 2230 generic A key or E key

05

Connect to external antenna through MHF4 connectors

06

Power Supply
DC3.3V±0.2V power supply

07

Supports Linux, Windows 10/11, etc.

Product Gallery



Figure 1. 31703065 Rtl8822Ce Wireless Nic Font

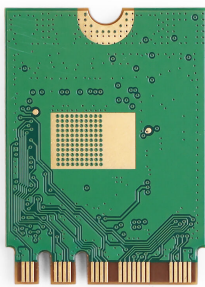


Figure 2. 31703065 Rtl8822Ce Wireless Nic Back

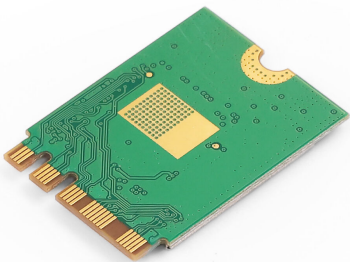


Figure 3. 31703065 Rtl8822Ce Wireless Nic 45Back



Figure 4. 31703065 Rtl8822Ce Wireless Nic Size

Specification

Chipset: RTL8822CE - CG

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)

Visual Reference

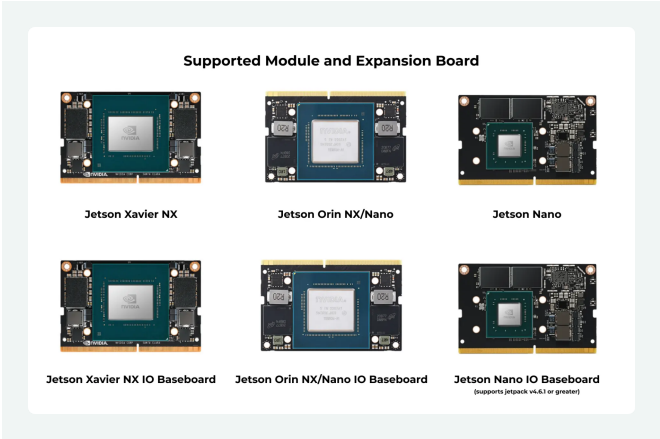


Figure 1. F1 114993556

Hardware Overview

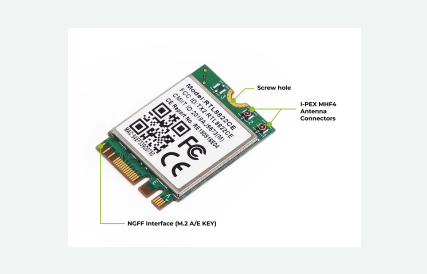


Figure 1. HO 114993556

Part List

Wireless-RTL8822CE	x1
--------------------	----

Compliance & Logistics

HSCODE	8517799000
USHSCODE	8517620090
UPC	
EUHSCODE	8517180000
COO	CHINA

Logistics	Value
ECCN	EAR99
HSCODE	8517799000
USHSCODE	8517620090
EUHSCODE	8517180000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/RTL8822CE-WIFI-Module-p-6313.html>
- [317030652_LB-link_BL-M8822CP1_datasheet.pdf](#)

Seeed Technology Co.,Ltd.

9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676

Web: www.seeed.cc

Shop: www.seeedstudio.com