



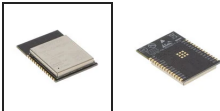
Product Index > RF and Wireless > RF Transceiver Modules and Modems >

Espressif Systems ESP32-C6-WROOM-1-N8

Dark Mode ☐



Image shown is a representation only. Exact specifications should be obtained from the product data sheet.



ESP32-C6-WROOM-1-N8

DigiKey Part Number

1965-ESP32-C6-WROOM-1-N8TR-ND - Tape & Reel (TR)  
1965-ESP32-C6-WROOM-1-N8CT-ND - Cut Tape (CT)  
1965-ESP32-C6-WROOM-1-N8DKR-ND - Digi-Reel®



Manufacturer

Espressif Systems



Manufacturer Product Number

ESP32-C6-WROOM-1-N8



Description

RF TXRX MOD BT WIFI PCB TH SMD



Manufacturer Standard Lead Time

8 Weeks

Customer Reference

Detailed Description

802.15.4, Bluetooth, WiFi Bluetooth v5.0, Zigbee® Transceiver Module 2.4GHz PCB Trace Surface Mount



Datasheet



Datasheet

EDA/CAD Models

[ESP32-C6-WROOM-1-N8 Models](#)

In-Stock: 2,485

[Check for Additional Incoming Stock](#)

QUANTITY

Add to Cart

Add to List

All prices are in NZD

Cut Tape (CT) & Digi-Reel®

QUANTITY	UNIT PRICE	EXT PRICE
1	\$9.76000	\$9.76
10	\$8.45200	\$84.52
25	\$7.99520	\$199.88
100	\$7.36800	\$736.80
250	\$6.99192	\$1,747.98

\* All Digi-Reel orders will add a \$10.00 reeling fee.

Tape & Reel (TR)


QUANTITY	UNIT PRICE	EXT PRICE
650	\$5.67675	\$3,689.89






Manufacturers Standard Package

Unit Price without GST: \$9.76000

Unit Price with GST:

\$11.22400 

Product Attributes

TYPE	DESCRIPTION	SELECT ALL <input type="checkbox"/>
Category	<a href="#">RF and Wireless</a> <a href="#">RF Transceiver Modules and Modems</a>	<input type="radio"/> <input checked="" type="radio"/>
Mfr	<a href="#">Espressif Systems</a>	<input type="checkbox"/>
Series	<a href="#">ESP32-C6</a>	<input type="checkbox"/>
Packaging	Tape & Reel (TR)  Cut Tape (CT)  Digi-Reel® 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Part Status	Active	<input type="checkbox"/>
DigiKey Programmable	Not Verified	<input type="checkbox"/>
RF Family/Standard	802.15.4, Bluetooth, WiFi	<input type="checkbox"/>
Protocol	<a href="#">Bluetooth v5.0</a> , <a href="#">Zigbee®</a>	<input type="checkbox"/>
Modulation	-	<input type="checkbox"/>
Frequency	2.4GHz	<input type="checkbox"/>
Data Rate	-	<input type="checkbox"/>
Power - Output	-	<input type="checkbox"/>
Sensitivity	-	<input type="checkbox"/>
Serial Interfaces	GPIO, I2C, I2S, PWM, SPI, UART	<input type="checkbox"/>
Antenna Type	PCB Trace	<input type="checkbox"/>
Utilized IC / Part	ESP32-C6	<input type="checkbox"/>
Memory Size	8MB Flash	<input type="checkbox"/>
Voltage - Supply	-	<input type="checkbox"/>
Current - Receiving	-	<input type="checkbox"/>
Current - Transmitting	-	<input type="checkbox"/>
Mounting Type	Surface Mount	<input type="checkbox"/>
Operating Temperature	-	<input type="checkbox"/>
Package / Case	28-SMD Module	<input type="checkbox"/>

Base Product Number

ESP32-C6

Report Product Information Error

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Documents & Media

RESOURCE TYPE	LINK
Datasheets	<a href="#">ESP32-C6-WROOM-1/1U Datasheet</a> <a href="#">ESP32-C6 Datasheet</a>
PCN Design/Specification	<a href="#">ESP32-C6 MINI/WROOM Design 01/Nov/2023</a> <a href="#">Chip revision 06/AUG/2024</a>
EDA Models	<a href="#">ESP32-C6-WROOM-1-N8 Models</a>

Environmental & Export Classifications

ATTRIBUTE	DESCRIPTION
RoHS Status	ROHS3 Compliant
Moisture Sensitivity Level (MSL)	3 (168 Hours)
REACH Status	REACH Unaffected
ECCN	5A992C SC
HTSUS	8517.62.0090

Product Questions and Answers

See what engineers are asking, ask your own questions, or help out a member of the DigiKey engineering community


[See all Questions and Answers](#)[Ask a Product Question](#)

### Additional Resources

ATTRIBUTE	DESCRIPTION
Other Names	1965-ESP32-C6-WROOM-1-N8CT 1965-ESP32-C6-WROOM-1-N8TR 1965-ESP32-C6-WROOM-1-N8DKR
Manufacturer Standard Package	650

### You May Also Be Interested In [See All](#)

10 Items




ESP32-C6-DEVKITC-1-N8

ESP32-C6 GENERAL-PURPOSE DEVELOPMENT KIT

Espressif Systems

\$16.32000

Details



ESP32-C6-WROOM-1U

RF TXRX MOD BT WIFI PCB T

Espressif Systems

\$9.85000

Details

