



CMP9611 & CMP9612

High Performance & Multi-Protocol

Hosted Modules for Industry and IoT

Inquiry



- 2.4 / 5 GHz
- PCB-Trace Antenna or Connector
- Castellated Edge Connector
- 16.64 x 27.80 mm
- LGA Option -- 12 x 12 mm

OVERVIEW

The CMP9611/12 delivers the performance and network optimization capabilities of Wi-Fi 6, which is critical for today's complicated and crowded wireless systems. Moreover, it offers flexibility to OEMs and users to leverage lower bandwidth and longer-range protocols to address applications that have their own unique needs. The CMP961x is available with a connector for an external antenna or CEL's high-performance PCB-trace antenna for use in harsh environments. With the ability to support Linux or RTOS systems, the CMP9611/12 is versatile and ready for integration with almost any MCU or MPU for a variety of applications.

WIRELESS FEATURES

- CMP9611: Wi-Fi 6 + BT 5.4
- CMP9612: Wi-Fi 6 + BT 5.4 + 802.15.4 (Matter + Thread)
- **Interfaces**
 - ▶ Wi-Fi – SDIO
 - ▶ BLE – UART
 - ▶ 802.15.4 – SPI
- **Dual-Band 802.11a/b/g/n/ac/ax**
 - ▶ Tx: +17 dBm
 - ▶ Single Stream: 80MHz Channels
- Bluetooth Low Energy 5.4
- AP, STA, Direct, Combination
- Long Range & Broad Coverage
- TWT
- WPA3 Security
- Independent CPUs & Memory for BT & Wi-Fi

EVALUATION PLATFORM

- SD Interface Board for Easy Evaluation and development

OTHER

- Certifications: FCC + IC + CE
- Full Module: 16.64 x 27.80 x 3.47 mm
- LGA: 12 x 12 x 1.85 mm
- -40°C to +85°C
- Castellated Edge Connections to Host PCB

HOST DRIVER SOURCE CODE

- Linux/Android for MPU
 - ▶ Pre-tested and integrated in NXP's iMX 6/7/8 SDKs, Others MPUs supported
- FreeRTOS for MCU
 - ▶ Pre-tested and integrated in NXP's RT1170/1064/1060/1050/1024/1020 SDKs

TOOLS AND SUPPORT

- MCUXpresso IDE
- Documentation: Hardware Design Guide, Software QSG
- CEL Software Repository

APPLICATIONS

- Healthcare and Medical Devices
- Building Automation
- Retail/POS Terminals
- Security, Video/Cameras
- Smart Home

Questions? Call Us
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