CMP9377

Hosted Wi-Fi 5 & Bluetooth Module

Easy to Integrate and High Performing

Inquiry



CMP9377-UA CMP9377-P CMP9377-SC

OVERVIEW

The CMP9377 Multi-Protocol solution delivers a combination of high-speed Wi-Fi connectivity, Bluetooth functionality, and excellent wireless coverage. Prebuilt drivers allow for integration with Linux, Android, and Windows operating systems and with various MPUs, such as TI, STMicro, NXP, Intel and More. The solution is available with a USB, SDIO, or PCIe Interface.

WIRELESS FEATURES

- Dual-Band 802.11a/b/g/n/ac Wave 2 MU-MIMO
  - Tx: +18 dBm
  - Dedicated CPU for WLAN stack
  - 20 / 40 / 80 MHz Channel Support
- BLE 5.0
  - HCI
  - Tx: +14 dBm (BT)
  - Tx: +4 dBm (BLE)
  - 2 Mbit PHY
- Wireless Coexistence Manager
  - Concurrent WiFi and BLE
  - Per-packet Coexistence Manager

MODULE FORM-FACTORS + ANTENNA DETAILS

- **Wi-Fi (SDIO) + BT (UART)**
  - -SA: Castellated SMT + PCB Antenna
  - -SC: Castellated SMT + u.FL Connector
- **Wi-Fi (USB) + BT (USB)**
  - -UA: Castellated SMT + PCB Antenna
  - -UC: Castellated SMT + u.FL Connector
- **Wi-Fi (PCIe) + BT (USB)**
  - -P: PCIe Connector + u.FL Connectors

DRIVER & DEVELOPMENT SUPPORT

- Reference Platform w/ Raspberry Pi 3B
- USB and SDIO Dev Kits
- Pre-built Drivers
- Porting Support
- iPerf Testing
- Documentation
  - Quick-Start Guide
  - Access Point
  - Connecting 30 STA
  - BT Audio
  - Range & Throughput Field Testing
- CEL Software Repository

OPERATING SYSTEMS

- Linux
- Android
- Windows IoT

APPLICATIONS

- C&I Equipment/Machines
- Medical
- Security
- Building Automation
- Smart Energy
- Retail/POS

DEVELOPMENT KITS AND REFERENCE PLATFORM

- Scan the QR Code in the bottom right for details.

Questions? Call Us
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www.cel.com

PRELIMINARY SPECIFICATION. This document is subject to change without notice.