

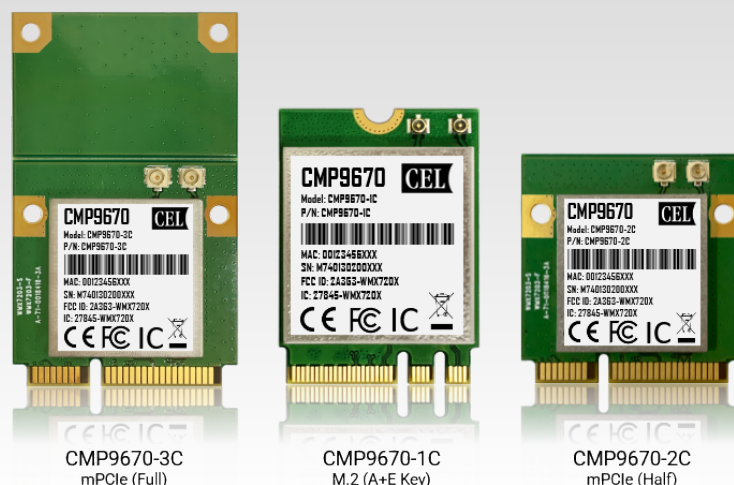


CMP9670

Tri-Band Wi-Fi 6e + Bluetooth 5.3

Tri-Band Module for Modern Networks

Inquiry



OVERVIEW

CEL's CMP9670 was built for next generation commercial and industrial device connectivity. With the ability to network on three frequencies, support MU-MIMO, provide Dual-Band Simultaneous communication, and achieve ultra fast throughput, this module will support the needs of the most demanding networks and applications.

WIRELESS FEATURES

- **Tri-Band 802.11 a/b/g/n/ac/ax**
 - ▶ 2x2 MU-MIMO, Up to +21 dBm
 - ▶ DBS, up to 3.6 Gbps (2x2+2x2 11ax DBS)
 - ▶ Tri-Band 2.4 / 5 / 6 GHz Support
 - ▶ 20 / 40 MHz Bandwidth for 2.4 GHz
 - ▶ 20 / 40 / 80 / 160 MHz Bandwidth for 5 / 6 GHz
 - ▶ Seamless Antenna Sharing with Bluetooth, LTE, LTE-U, and 5G
 - ▶ Dynamic Frequency Selection (DFS, Radar Detection)
 - ▶ Offloading Traffic for Minimal Host Utilization at 802.11ac/ax Speeds
 - ▶ Low-Power PCIe (with L1 Substate) Interface
 - ▶ Integrated Close-Loop Power Detector
 - ▶ Monitor Mode, STA, AP, STA+AP, Wi-Fi Direct, TWT
- **Bluetooth**
 - ▶ BT V5.3, V5.2, V5.1, V5.0, V4.2, V4.1, V4.0, V3.0, V2.1+EDR
 - ▶ Compliant with Bluetooth 5.3 and ANT+

PROTOCOL & INTERFACE

- PCIe Gen 3 interface for WLAN
- USB 1.1 interface for Bluetooth

SECURITY

- AES-CCMP at 128/256 bits
- WEP, TKIP hardware encryption
- WAPI-2 hardware encryption
- WPA/WPA2/WPA3
- FIPS 140-2 support

MECHANICAL

- M.2 (A + E Key): 22 x 30 mm
- mPCIe (Half): 29.9 x 30.8 mm
- mPCIe (Full): 29.9 x 51.0 mm
- -40°C to +85°C Operation
- M.2 Operating Voltage: DC 3.3V ±5%
- Antenna Port: MHF4 Connector x2 for 2T2R

OPERATING SYSTEM SUPPORT

- Windows 10 / 11 (32 bit / 64 bit)
- Linux (Kernel 4.9.11 & 5.4.0 ~ 5.10)
 - ▶ Open Driver: ATH11K
- Android

APPLICATIONS

- Industrial, Factory Automation
- Building Controls
- Medical, Transportation
- Security, Smart City
- Portable Computing / Printing
- POS Terminals

Questions? Call Us
(408) 919-2500
www.cel.com

