

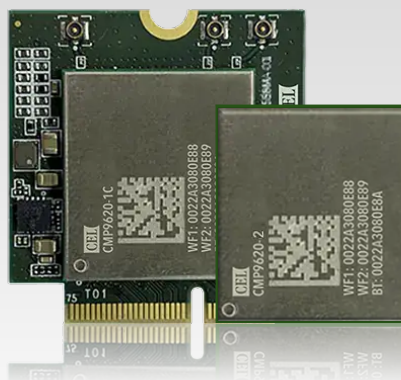


CMP9620

Wi-Fi + Bluetooth Connectivity for IoT

2x2 MU-MIMO w/ Concurrent Wi-Fi + BT

Inquiry



- 2.4 / 5 GHz
- M.2 E-Key
- LGA – 20 x 18 mm

OVERVIEW

New wireless deployments demand more data throughput and more efficient network utilization. CEL designed the CMP9620 to deliver both. While offering out-of-the-box integration into NXP's I.MX8 ecosystem. Simultaneous Dual-Band operation, combined with concurrent Bluetooth and the latest Bluetooth features, deliver the connectivity demanded by Edge Gateways, HUBS and other High-Bandwidth applications.

WIRELESS FEATURES

- **Dual-Band 2x2 Wi-Fi 6 (802.11 ax)**
 - ▶ 1.2 Gbps PHY Rate @ 5 GHz
 - ▶ 458 Mbps PHY Rate @ 2.4 GHz
 - ▶ Concurrent Dual Band 2x2 MU-MIMO
 - ▶ Tx: +18 dBm
 - ▶ PCIe Host Interface
- **Dual-Mode Bluetooth v5.3**
 - ▶ BLE + BT Classic
 - ▶ BDR + EDR: 3 Mbps / 2 Mbps / 1 Mbps
 - ▶ Coded PHY
 - ▶ Bluetooth Mesh
 - ▶ AoA / AoD
 - ▶ Advertising Extensions
- LTE Co-Existence
- Low Power Consumption
- Long Range & Broad Coverage

OTHER

- Certifications: FCC, IC, CE
- M.2 E-Key – 28 x 30 x 3.65 mm
- LGA SMT – 20 x 18 x 2.8 mm
- -40°C to +85°C Operation

ANTENNA OPTIONS

- 3 x Integrated MHF4 Connectors
 - ▶ 2 x WLAN
 - ▶ 1 x Bluetooth

HOST DRIVER SOURCE CODE

- Linux/Android for I.MX8
- Hardware Porting Guides
- CEL Software Repository

APPLICATIONS

- Edge Gateways
- Industrial and Building Automation
- Retail/POS Terminals
- Smart City
- Smart Home/Gateways
- IP Cameras
- Connected Healthcare
- Rugged Computing
- Medical Equipment

Questions? Call Us
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