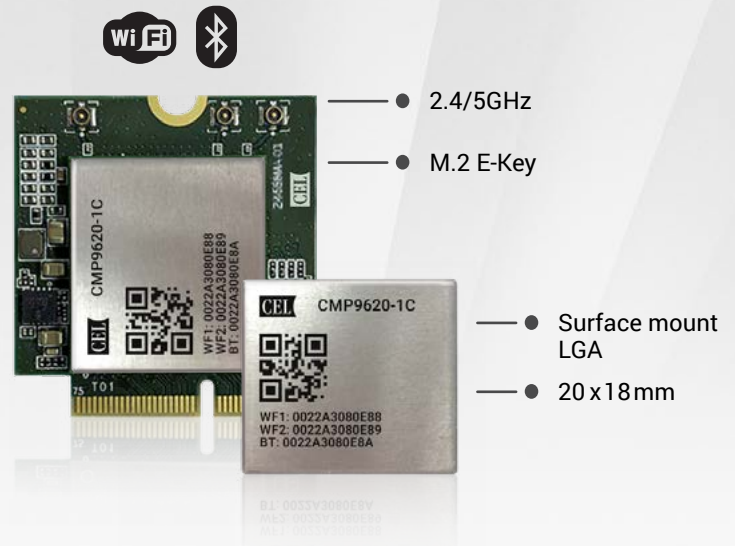


CMP9620

Wi-Fi + BLE

Connectivity for IoT

2x2 MU-MIMO with concurrent Wi-Fi 6 & Bluetooth V5.3



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
 - Tx: tbd dBm
 - 3 Mbps / 2 Mbps / 1 Mbps PHY
 - Coded PHY
 - Bluetooth Mesh
 - AoA / AoD
 - Advertising Extensions
- LTE Co-Existence
- Low Power Consumption
- Long Range & Broad Coverage

ANTENNA OPTIONS

- 3X Integrated MHF4 Connectors
 - 2X WLAN
 - 1X Bluetooth

OTHER

- Certifications: FCC/IC/CE
- M.2 E-Key, Surface-mount LGA
- 28 x 30 mm, 20 x 18mm
- -40 C to +85 C Operation

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

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