CMP9620
Wi-Fi + BLE Connectivity for IoT

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

2.4/5GHz

M.2 E-Key

Surface mount LGA

20 x 18 mm

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-Banwidth applications.

WIRELESS FEATURES
- Dual-Band 2x2 Wi-Fi 6 (802.11 ax)
  - 1.2 Gbps PHY Rate @ 5 GHz
  - 458 Mpbs 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
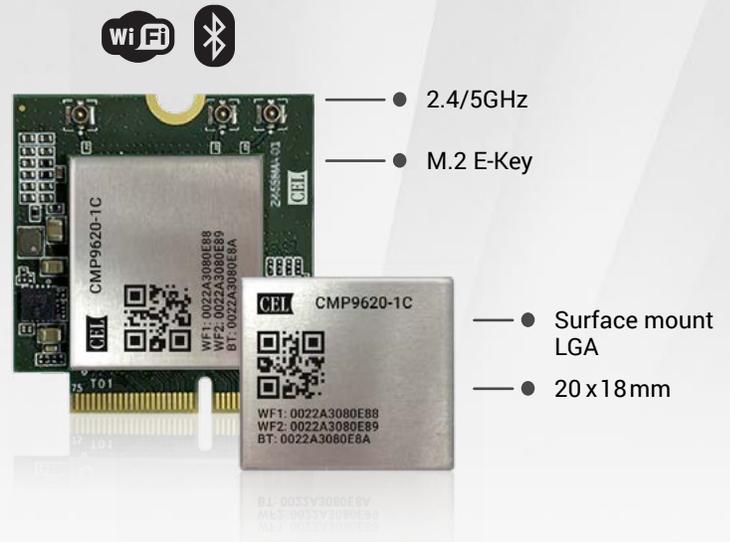
OTHER
- Certifications: FCC/IC/CE
- M.2 E-Key, Surface-mount LGA
- 28 x 30 mm, 20 x 18mm
- -40 C to +85 C Operation

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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