



CMP9702

Tri-Band Wi-Fi 7 2x2 MIMO PCIe Module

DBS Wi-Fi 7 for Next-Gen Networks

Inquiry



- 2T2R Antenna Connectors
- 30.0 x 22.0 x 1.9 mm
- Dual-Band Simultaneous
- High-Band Simultaneous
- NCC & Japan Certified
- M.2 2230 (E Key)

OVERVIEW

The CMP9702 is a highly integrated Wi-Fi 7 and Bluetooth 5.4 wireless module built on the Qualcomm WCN7851-5. It delivers 2x2 tri-band connectivity with simultaneous operation (DBS / HBS) across 2.4 GHz + 5/6 GHz band combinations in an M.2 2230 E-Key form factor.

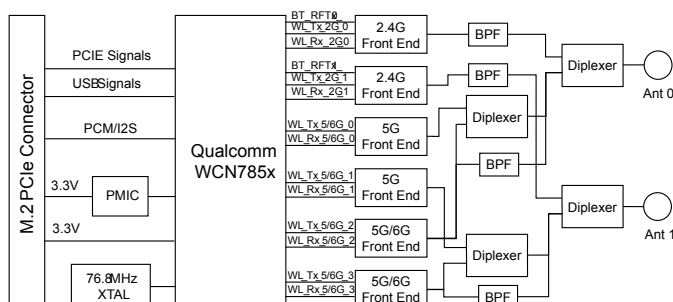
WIRELESS FEATURES

- Tri-Band 2x2 MU-MIMO, Up to +20 dBm
- IEEE 802.11a/b/g/n/ac/ax/be
- Up to 4096 QAM at Each Band
- 2.4 GHz 40 MHz BW
- 5 GHz up to 160 MHz BW
- 6 GHz up to 320 MHz BW
- DBS up to 2.4 GHz 2x2 40 MHz + 5 GHz 2x2 160 MHz / 6 GHz 2x2 160 MHz
- HBS up to 5 / 6 GHz 2x2 160 MHz + 5 / 6 GHz 2x2 160 MHz
- BT v2.1+EDR3.0+BLE4.0/4.1/4.2/5.0/5.2/5.3/5.4

SECURITY

- AES-CCMP, AES-GCMP, WEP, TKIP, WAPI, WPA3

BLOCK DIAGRAM



PROTOCOL & INTERFACE

- Support PCIe Gen 3 (Backward Compatible)
- Antenna Port: u.FL Connector x2 for 2T2R

DRIVER & PLATFORM SUPPORT

- **Windows**
 - ▶ Windows 10 / 11
 - ▶ 32 bit and 64 bit
- **Linux**
 - ▶ QCA Standard LEA Linux Driver Support Kernel 5.4.0+, 5.10.0+, 5.15.24+
 - ▶ Open Driver: ATH12K
- **Platform**
 - ▶ Intel x86
 - ▶ ARM
 - ▶ MIPS

APPLICATIONS

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

Questions? Call Us
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