



CMP9720

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

DBS Wi-Fi 7 for Next-Gen Networks

Inquiry



- 2T2R + 2T2R (total 4T4R)
- Thermal Heat Shield
- 31.78 x 50.80 x 12.30 mm
- Dual-Band Simultaneous
- 2x2 MIMO Wi-Fi 7

OVERVIEW

The CMP9720 is a high-performance Wi-Fi 7 PCIe module designed for enterprise applications, leveraging the Qualcomm QCN9274 chip for dual radio 2x2 MIMO + 2x2 MIMO operations with up to 320 MHz bandwidth per chain.

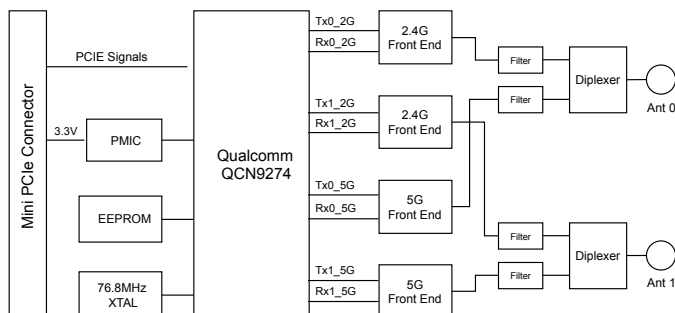
WIRELESS FEATURES

- Up to +23 dBm Transmit
- Concurrent Dual-Band 2x2 MIMO Wi-Fi 7
- Supports 802.11 a/b/g/n/ac/ax/be Standards
- Dual-Synthesizer Radio (320 MHz per Chain)
- 2.4 GHz (40 MHz) and 5 GHz (up to 320 MHz)
- Modulation: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM, Depending on the Standard
- DL/UL MU-MIMO, OFDMA Support
- DFS Radar Detection and Avoidance

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 5 GHz 2T2R + 2.4 GHz 2T2R

DRIVER & PLATFORM SUPPORT

- Qualcomm Platform with QSDK
 - ▶ Open Driver: ATH12K
- IPQ9574 (Verified)

APPLICATIONS

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

SIDE PROFILE



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

