

CMP9740

Wide-Band Wi-Fi 7 4x4 MIMO PCIe Module

Wi-Fi 7 Performance for Next-Gen Networks

Inquiry

OVERVIEW

CEL's CMP9740 is a wide-band 5-6 GHz Wi-Fi 7 mPCIe module on the Qualcomm QCN9274, operating as a single radio in 4x4 MIMO with 320 MHz bandwidth per chain and data rates up to 11,530 Mbps for 4 stream / 320 MHz (subject to PCIe 3.0 x1 limitation), modulation up to 4096-QAM.

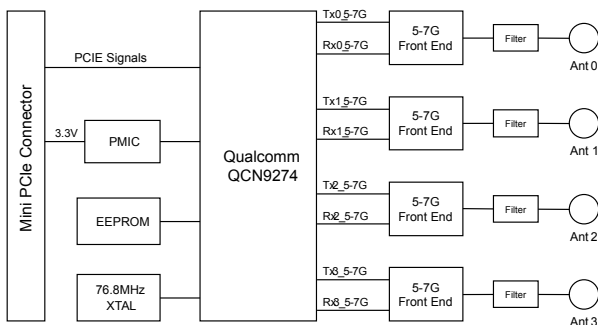
WIRELESS FEATURES

- Up to +22 dBm Transmit
- 4x4, 320 MHz Single Radio
- Frequency Range: 5180 MHz to 7125 MHz
- IEEE 802.11a/b/g/n/ac/ax/be
- IEEE 802.11ba/d/e/h/i/j/k/r/u/v/w
- OFDM for 802.11a, SU-MIMO for 802.11n/ac/ax/be
- SU-MIMO Beamformer and Beamformee Support for 802.11ac/ax/be
- DL/UL MU-MIMO for IEEE 802.11ax/be
- DL MU-MIMO for IEEE 802.11ac

SECURITY

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

BLOCK DIAGRAM



- 4T4R: 5180 MHz to 7125 MHz
- Thermal Heat Shield
- 31.78 x 50.80 x 12.30 mm
- NCC & Japan Certified

PROTOCOL & INTERFACE

- Support PCIe Gen 3 (Backward Compatible)
- Antenna Port: U.FL Connector x4 for 4T4R

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
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