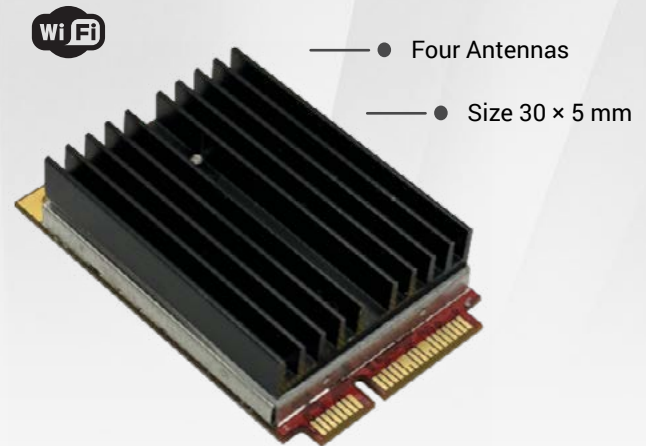


CMP9740

Wi-Fi 7 5-7 GHz

Mini PCIe 4x4 Module

Wide-Band with data rates of 11,530 Mbps for 4 stream / 320 MHz

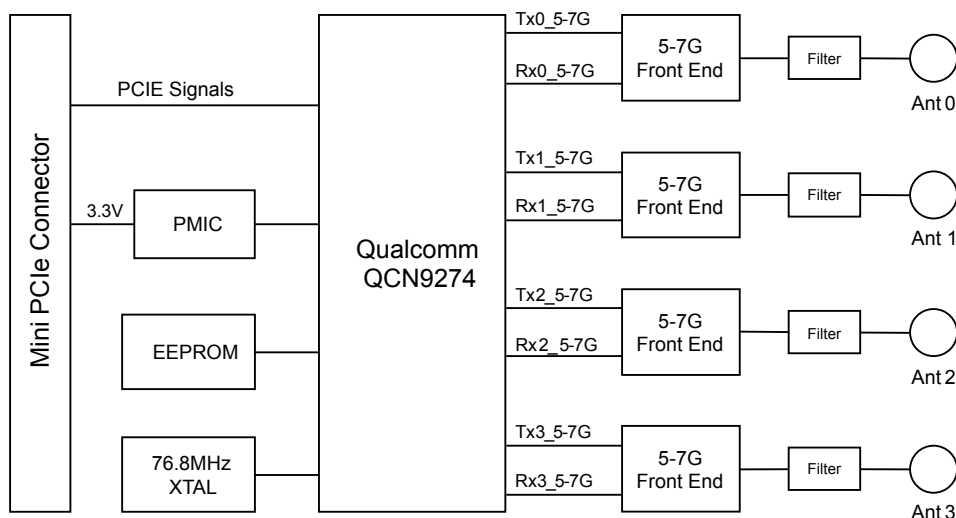


The CMP9740 is a Wi-Fi 7 PCIe module for enterprise-class applications. This module is built on the Qualcomm QCN9274 chip. It can operate as a single radio in 4x4 MIMO mode, the maximum bandwidth of each chain is 320 MHz.

WIRELESS FEATURES

- Wi-Fi 7 5-7 GHz Wide-Band Mini PCIe 4x4 Module
- Qualcomm QCN9274 chip-based
- 4x4 MIMO with 320 MHz bandwidth per chain
- Supports PCIe Gen 3 (backward compatible)
- Frequency Range: 5-7 GHz (5180 MHz – 7125 MHz)
- Data Rates: Up to 11,530 Mbps for 4 stream / 320 MHz (subject to PCIe 3.0 x1 limitation)
- Modulation: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM

BLOCK DIAGRAM



PROTOCOL & INTERFACE

- Support PCIe Gen 3 (backward compatible)
- Antenna Port: U.FL (Compatible) connector x4 for 5-7 GHz 4T4R

SECURITY

- WPA3, WPA2 Personal/Enterprise, WPA, AES-CCMP, AES-GCMP, WEP, TKIP, WAPI 1.0/2.0, FIPS (ECB)

APPLICATIONS

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

CERTIFICATION

- CE / FCC / IC / NCC / Japan