CMP964x
High Speed 802.11AX, 2X2/4X4 MIMO

Large capacity enterprise connectivity

Wi Fi

2.4/5GHz

Supports Access Point and Station Functionality

CEL's CMP964x was designed and built for ultra-high speed capability for enterprise and industrial Access Point applications. This dual-band Wi-Fi 6 solution is capable of both Access Point and Station functionality, while supporting four simultaneous spatial streams of up to 160 MHz bandwidth. Delivering up to 4.8 Gbps theoretical throughput, the CMP964x supports PCI Express 3.0 dual-lane for the host interface.

WIRELESS FEATURES

- Dual-Band 802.11 a/b/g/n/ac/ax
  - MU 2x2 MIMO
  - MU 4x4 MIMO
  - Tx: +25dBm
  - Dual-synthesizer WLAN radio up to 160MHz bandwidth support
  - Supports 5/10 MHz in 4.9 GHz (Public safety band)
  - Supports 20/40 MHz in 2.4GHz
  - Supports 20/40/80/160 MHz in 5GHz
  - Supports up to 1024 QAM (4SS) and 5096 QAM (2SS)
  - Data rates of up to 4804 Mbps in 802.11ax 160 MHz channels in 5GHz
  - Data rates of up to 1147 Mbps in 802.11ax 40 MHz channels in 2.4GHz mode
  - DL/UL MU-MIMO, up to 4 users per PPDU
  - DL/UL MU-OFDMA, up to 37 users per PPDU
  - TxBF, MU-MIMO, MU-OFDMA/TxBF, ML, STBC
  - Dynamic frequency slection and Agile DFS (dynamic switching between 4 and 3+1)
  - PTA (3-wire) and WCI/MCI (2-wire) coexistence
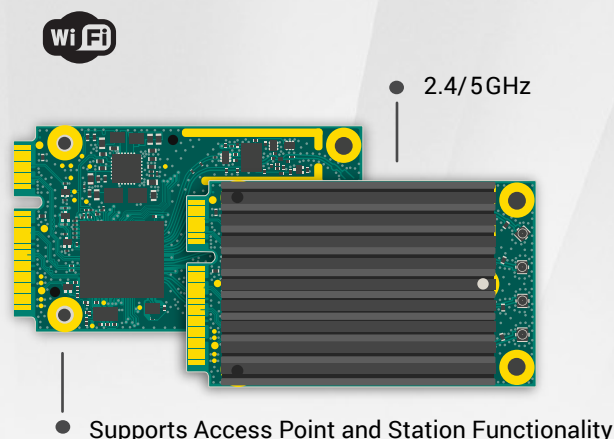
- 802.11 ac/ax explicit transmit beamforming (TxBF)
- 801.11 ac/ax beamformee for STA mode
- 802.11e-compatible bursting
- Supports Monitor Mode
- Supports IEEE 802.11d,h,i,j,kr,u,v,w

SECURITY

- AES-CCMP/GCMP at 128/256 bits
- WEP, TKIP, WAPI-2 hardware encryption
- WPA/WPA2-Personal/WPA2-Enterprise and WPA3 Personal
- FIPS ECB

MECHANICAL

- Dimensions: 30x50.95x15.05mm
- u.FL connectors
- Operating Temp: -40 to +85 Deg C

APPLICATIONS

- Industrial Networks
- Smart City
- Building Controls
- Medical
- Security
- Factory Automation
- Transportation

Questions? Call Us
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