

WLAN Parameter:

Supported standards:

802.11a data rates of 6, 9, 12, 18, 24, 36, 48, and 54 Mbps
 802.11b data rates of 1, 2, 5.5 and 11 Mbps
 802.11g data rates of 6, 9, 12, 18, 24, 36, 48, and 54 Mbps
 802.11n data rates of MCS0 ~MCS7 HT20 and HT40
 802.11ac data rates of MCS0 ~MCS9 HT20, HT40 and HT80
 802.11e Quality of service (QoS)
 802.11h transmit power control
 No DFS support

Host Interface: PCIe

Frequenz: 2,401-2,4835 GHz; 5,160GHz - 5,835GHz
 Modulation: BPSK, DBPSK, QPSK, DQPSK, 8PSK, 16QAM, 64QAM, 256QAM
 Typical RF power: 15dBm ±2dBm
 Antenna: internal PCB antenna
 Antenna gain UMTS variant (RF port 1) :
 2G4 band : 5,7 dBi
 5G band : 4,0 dBi
 Antenna gains LTE variant:
 RF Port1: 2G4 band: 5,7 dBi; 5G band: 4,0 dBi
 RF Port2: 2G4 band: 5,2 dBi; 5G band: 4,8 dBi

CPM-QE/ RCM**Antenna Gain of RF-Port1:****5 GHz band**

Frequency (MHz)	Efficiency (%)	Average Gain (dB)	Max Gain (dBi)
5160	68,2	-1,6622	3,76
5240	59,26	-2,2724	3,55
5320	67,36	-1,7160	3,06
5400	65,9	-1,8111	3,45
5480	54,04	-2,6728	2,22
5560	59,08	-2,2856	2,57
5640	64,46	-1,9071	3,27
5720	62,04	-2,0733	4,01
5840	63,67	-1,9607	3,35

2,4 GHz band

Frequency (MHz)	Efficiency (%)	Average Gain (dB)	Max Gain (dBi)
2402	74,13	-1,3000	3,96
2441	69,24	-1,5964	4,09
2480	76,33	-1,1730	5,63

Antenna Gain of RF-Port2**5 GHz band**

Frequency (MHz)	Efficiency (%)	Average Gain (dB)	Max Gain (dBi)
5160	57,67	-2,3905	3,95
5240	56,41	-2,4846	3,48
5320	58,08	-2,3597	3,88
5400	53,88	-2,6857	3,83
5480	50,87	-2,9354	3,92
5560	56,32	-2,4943	4,77
5640	46,84	-3,2938	3,6
5720	46,81	-3,2966	4,42
5840	47,93	-3,1939	3,68

2,4 GHz band

Frequency (MHz)	Efficiency (%)	Average Gain (dB)	Max Gain (dBi)
2402	72,85	-1,3757	5,18
2441	66,89	-1,7464	3,97
2480	61,61	-2,1035	3,95

