



ExpressRange2

2.4GHz High Power mini PCI Express Module

Technical Specifications

Dimensions

Standards

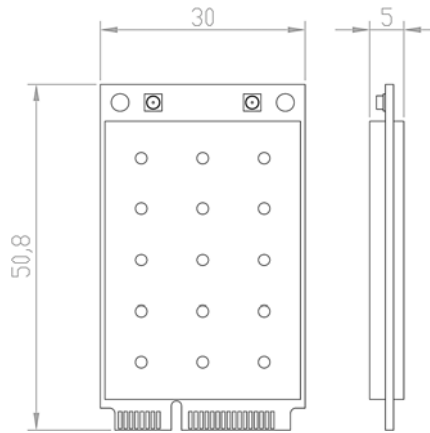
Data Rate

Output Power & Sensitivity

Operating Frequency

Interface

Recommended Operating Conditions



STANDARDS

Wireless: IEEE 802.11b/g/n (1T1R) ⊕ Chipset: Atheros AR9285

DATA RATE

802.11b 1-11Mbps ⊕ 802.11g: 6-54Mbps ⊕ 802.11n: 65-150Mbps

OUTPUT POWER & SENSITIVITY

802.11 b/g /n Specification	Data Rate	Tx (RMS) +/- 2dB	Rx +/- 2dB
	CCK, 1Mbps	24 dBm 1100mA	-95 dBm 300mA
	CCK, 11Mbps	24 dBm 1100mA	-90 dBm 300mA
	OFDM, 6-24Mbps	24 dBm 1100mA	-92 dBm 300mA
	OFDM, 36Mbps	22 dBm 900mA	-84 dBm 300mA
	OFDM, 48Mbps	21 dBm 800mA	-80 dBm 300mA
	OFDM, 54Mbps	20 dBm 700mA	-77 dBm 300mA
	HT20, MCS0	24 dBm 1100mA	-92 dBm 300mA
	HT20, MCS7	19 dBm 600mA	-73 dBm 300mA
	HT40, MCS0	24 dBm 1100mA	-88 dBm 300mA
HT40, MCS7	19 dBm 600mA	-70 dBm 300mA	

OPERATING FREQUENCY

IEEE 802.11 b/g/n ISM Band

USA (FCC):2.412GHz~2.462 GHz(CH1~CH11) ⊕ EU (ETSI):2.412GHz~2.472 GHz(CH1~CH13) ⊕

Japan(TELEC):2.412GHz~2.472GHz(CH1~CH13)

INTERFACE

Mini PCI Express ⊕ Antenna Ports : U.FL x 2 for 1T1R (Diversity)

RECOMMENDED OPERATING CONDITIONS

Operating Voltage: DC 3.3V ± 0.1V ⊕ 0°C ~ +80°C, Operating Temperature: 0~85°C