



## MaxRange5

2x2 5GHz 11n High Power mini PCI Module

### Technical Specifications

Standards  
Data Rate  
Output Power & Sensitivity  
Operating Frequency  
Interface  
Operating Voltage / Temperature

#### STANDARDS

Wireless: IEEE 802.11a/n (2T2R)  
Chipset: Atheros AR9220

#### DATA RATE

802.11a: 54Mbps  
802.11n: 300Mbps

#### OUTPUT POWER & SENSITIVITY (2T2R)

802.11a/n Specification

Data Rate	Tx (RMS) +/- 3dB	Rx +/- 3dB
6-24Mbps	26 dBm	-96 dBm
36Mbps	24 dBm	-87 dBm
48Mbps	23 dBm	-83 dBm
54Mbps	22 dBm	-81 dBm
MCS0	25 dBm	-96 dBm
MCS1	25 dBm	-96 dBm
MCS2	23 dBm	-93 dBm
MCS3	23 dBm	-91 dBm
MCS4	22 dBm	-87 dBm
MCS5	22 dBm	-84 dBm
MCS6	21 dBm	-80 dBm
MCS7	21 dBm	-77 dBm
MCS8	25 dBm	-95 dBm
MCS9	25 dBm	-95 dBm
MCS10	23 dBm	-92 dBm
MCS11	23 dBm	-90 dBm
MCS12	22 dBm	-86 dBm
MCS13	22 dBm	-83 dBm
MCS14	21 dBm	-79 dBm
MCS15	21 dBm	-76 dBm

#### OPERATING FREQUENCY

IEEE 802.11 a/n ISM Band  
USA (FCC): 5150MHz~5350MHz/ 5725MHz-5850MHz  
EU (ETSI): 5150MHz~5350MHz/ 5470MHz-5725MHz  
Japan(TELEC): 5150MHz~5250MHz

#### INTERFACE

32bit Mini PCI Type III A like  
Antenna Ports : MMCX x 2 for 2T2R

Dimension : LXW 71mmX 59mm

#### OPERATING VOLTAGE / TEMPERATURE

Operating Voltage: DC 3.3V ± 0.1V (Max. 2000mA); Operating temperature: -40°C ~ +80°C