

MA55MP0

HIGH POWER a/n 2T2R Mini PCI CARD

This High Power IEEE 802.11a/n 2T2R Wireless Mini PCI Card is built with industrial-grade components. It is designed for reliable and demanding outdoor, enterprise, and carrier-class applications. The Mini PCI interface integrates easily with embedded platforms to construct access points, wireless bridges, and consumer premises client equipment. MIMO technology provides higher throughput and farther coverage.



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 2000mA
	36Mbps	24 dBm 1800mA	-87 dBm 350mA
	48Mbps	23 dBm 1600mA	-83 dBm 350mA
	54Mbps	22 dBm 1400mA	-81 dBm 350mA
	MCS0	25 dBm 1900mA	-96 dBm 350mA
	MCS1	25 dBm 1900mA	-96 dBm 350mA
	MCS2	23 dBm 1600mA	-93 dBm 350mA
	MCS3	23 dBm 1600mA	-91 dBm 350mA
	MCS4	22 dBm 1500mA	-87 dBm 350mA
	MCS5	22 dBm 1500mA	-84 dBm 350mA
	MCS6	21 dBm 1400mA	-80 dBm 350mA
	MCS7	21 dBm 1400mA	-77 dBm 350mA
	MCS8	25 dBm 1900mA	-95 dBm 350mA
	MCS9	25 dBm 1900mA	-95 dBm 350mA
	MCS10	23 dBm 1600mA	-92 dBm 350mA
	MCS11	23 dBm 1600mA	-90 dBm 350mA
	MCS12	22 dBm 1500mA	-86 dBm 350mA
	MCS13	22 dBm 1500mA	-83 dBm 350mA
	MCS14	21 dBm 1400mA	-79 dBm 350mA
	MCS15	21 dBm 1400mA	-76 dBm 350mA

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

OPERATING VOLTAGE / TEMPERATURE

Operating Voltage: DC 3.3V ± 0.1V; Operating temperature: -40°C ~ +80°C

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