

XTREMERange7

TECHNICAL SPECIFICATIONS

Frequency Freedom™



Think Outside the Band™



CARD INFORMATION	
Chipset	Atheros, 6th Generation, AR5414
Radio Operation	Proprietary 700 MHz with 802.11 MAC/BB
Interface	32-bit mini-PCI Type IIIA
Operation Voltage	3.3VDC
Antenna Ports	Dual MMCX
Temperature Range	-45C to +90C (extended temp version up to +95C)
Security	WPA, WPA2, AES-CCM & TKIP Encryption, 802.1x, 64/128/152bit WEP
Data Rates	6Mbps, 9Mbps, 12Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
TX Channel Width Support	5MHz / 10MHz / 20MHz / 40MHz
RoHS Compliance	YES

RADIO OPERATING FREQUENCY 760-780MHz							
TX SPECIFICATIONS				RX SPECIFICATIONS			
	DataRate	TX Power	Tolerance		DataRate	Sensitivity	Tolerance
DSSS	1Mbps	28 dBm	+/-1dB	DSSS	1Mbps	-95 dBm	+/-1dB
	2Mbps	28 dBm	+/-1dB		2Mbps	-93 dBm	+/-1dB
	5.5Mbps	28 dBm	+/-1dB		5.5Mbps	-91 dBm	+/-1dB
	11Mbps	28 dBm	+/-1dB		11Mbps	-90 dBm	+/-1dB
OFDM	6Mbps	28 dBm	+/-1dB	OFDM	6Mbps	-92 dBm	+/-1dB
	9Mbps	28 dBm	+/-1dB		9Mbps	-91 dBm	+/-1dB
	12Mbps	28 dBm	+/-1dB		12Mbps	-91 dBm	+/-1dB
	18Mbps	28 dBm	+/-1dB		18Mbps	-88 dBm	+/-1dB
	24Mbps	28 dBm	+/-1dB		24Mbps	-84 dBm	+/-1dB
	36Mbps	26 dBm	+/-1dB		36Mbps	-81 dBm	+/-1dB
	48Mbps	25 dBm	+/-1dB		48Mbps	-75 dBm	+/-1dB
	54Mbps	24 dBm	+/-1dB		54Mbps	-72 dBm	+/-1dB

CURRENT CONSUMPTION INFORMATION							
TX CURRENT CONSUMPTION				RX CURRENT CONSUMPTION			
	DataRate	Current	Tolerance		DataRate	Sensitivity	Tolerance
DSSS	1Mbps	1.10 A	+/-100mA	DSSS	1Mbps	300 mA	+/-100mA
	2Mbps	1.10 A	+/-100mA		2Mbps	300 mA	+/-100mA
	5.5Mbps	1.10 A	+/-100mA		5.5Mbps	300 mA	+/-100mA
	11Mbps	1.10 A	+/-100mA		11Mbps	300 mA	+/-100mA
OFDM	6Mbps	1.10 A	+/-100mA	OFDM	6Mbps	300 mA	+/-100mA
	9Mbps	1.10 A	+/-100mA		9Mbps	300 mA	+/-100mA
	12Mbps	1.10 A	+/-100mA		12Mbps	300 mA	+/-100mA
	18Mbps	1.10 A	+/-100mA		18Mbps	300 mA	+/-100mA
	24Mbps	1.10 A	+/-100mA		24Mbps	300 mA	+/-100mA
	36Mbps	1.00 A	+/-100mA		36Mbps	300 mA	+/-100mA
	48Mbps	0.90 A	+/-100mA		48Mbps	300 mA	+/-100mA
	54Mbps	0.80 A	+/-100mA		54Mbps	300 mA	+/-100mA

RANGE PERFORMANCE	
Indoor (Antenna Dependent):	Up to 600meters
Outdoor (Antenna Dependent):	Over 50km

DRIVER INFORMATION	
Operating System Support	Linux MADWIFI, WindowsXP, Windows2000
Advanced Mobility / QuickHandoff	WindowsXP/2000 Utility with Enhanced Mobility Driver from Ubiquiti
Cisco Support	CCX 4.0 Supported Driver/Utility also available from Ubiquiti

For help with MADWIFI or other Special Driver Support, Please e-mail support@ubnt.com