

# XTREMERange9

## TECHNICAL SPECIFICATIONS

Frequency Freedom™



Think Outside the Band



CARD INFORMATION								
Chipset	Atheros, 6th Generation, AR5414							
Radio Operation	Proprietary 900MHz							
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							
REGULATORY INFORMATION								
Wireless Modular Approvals	FCC Part 15.247, IC RS210							
RADIO OPERATING FREQUENCY 907-922MHz								
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	
900MHz FREQUENCY CHANNEL SUPPORT								
Frequency	5MHz	10MHz	20MHz	Frequency	5MHz	10MHz	20MHz	
907 MHz				917 MHz				
912 MHz				922 MHz				
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 400meters	
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								