XTREMERange4
TECHNICAL SPECIFICATIONS

Frequency Freedom™

Think Outside the Band

Compatible with

MADWiFi — MULTIBAND ATHEROS DRIVER FOR WIFI

Radio Driver™

CARD INFORMATION	
Chipset	Atheros, 6th Generation, AR5414 with SuperA/Turbo Support
Radio Operation	802.11 Based MAC/PHY
Interface	32-bit mini-PCI Type IIIA
Operation Voltage	3.3VDC
Antenna Ports	Single MMCX
Temperature Range	-45 to +85C (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

FREQUENCY RANGE (4.475-4.725GHZ)

RADIO PERFORMANCE

TX SPECIFICATIONS					RX SPECIFICATIONS		
	DataRate	Avg.Power	Tolerance			DataRate	Sensitivity	Tolerance
802.11a OFDM	6Mbps	24 dBm	+/-1.5dB		802.11a OFDM	6Mbps	-92 dBm	+/-1.5dB
	9Mbps	24 dBm	+/-1.5dB			9Mbps	-90 dBm	+/-1.5dB
	12Mbps	24 dBm	+/-1.5dB			12Mbps	-89 dBm	+/-1.5dB
	18Mbps	24 dBm	+/-1.5dB			18Mbps	-88 dBm	+/-1.5dB
	24Mbps	24 dBm	+/-1.5dB			24Mbps	-84 dBm	+/-1.5dB
	36Mbps	22 dBm	+/-1.5dB			36Mbps	-81 dBm	+/-1.5dB
	48Mbps	20 dBm	+/-1.5dB			48Mbps	-75 dBm	+/-1.5dB
	54Mbps	18 dBm	+/-1.5dB			54Mbps	-73 dBm	+/-1.5dB

ADJUSTABLE CHANNEL SIZE SUPPORT (Increase Channel Capacity or Increase Throughput)

5MHz	10MHz	20MHz	40MHz (Turbo)

CURRENT CONSUMPTION INFORMATION

TX CURRENT CONSUMPTION					RX CURRENT CONSUMPTION		
	DataRate	Current	Tolerance			DataRate	Current	Tolerance
802.11a OFDM	6Mbps	1.20 A	+/-100 mA		802.11a OFDM	6Mbps	400 mA	+/-100 mA
	9Mbps	1.20 A	+/-100 mA			9Mbps	400 mA	+/-100 mA
	12Mbps	1.20 A	+/-100 mA			12Mbps	400 mA	+/-100 mA
	18Mbps	1.20 A	+/-100 mA			18Mbps	400 mA	+/-100 mA
	24Mbps	1.20 A	+/-100 mA			24Mbps	400 mA	+/-100 mA
	36Mbps	1.00 A	+/-100 mA			36Mbps	400 mA	+/-100 mA
	48Mbps	0.80 A	+/-100 mA			48Mbps	400 mA	+/-100 mA
	54Mbps	0.70 A	+/-100 mA			54Mbps	400 mA	+/-100 mA

RANGE PERFORMANCE

Indoor (Antenna Dependent):	Up to 150meters
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