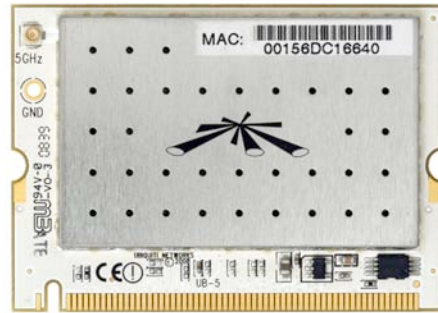




# UB-5

HI-Reliability, Low-Cost 5GHz mini-PCI Radio



## ENHANCED RF ESD/EMP PROTECTION AND SOLID PERFORMANCE

CARD INFORMATION			
Chipset	Atheros, 6th Generation, AR5414 with SuperA/Turbo Support		
Radio Operation	IEEE 802.11a, 5GHz		
Interface	32-bit mini-PCI Type IIIB		
Operation Voltage	3.3VDC		
Antenna Ports	Single u.fl		
Temperature Range	-30C to +70C		
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	CE		
RADIO OPERATING FREQUENCY 5.20-5.825GHz			
TX SPECIFICATIONS			
	DataRate	Avg.Power	Tolerance
802.11a OFDM	6Mbps	23 dBm	+/-1.5dB
	9Mbps	23 dBm	+/-1.5dB
	12Mbps	23 dBm	+/-1.5dB
	18Mbps	23 dBm	+/-1.5dB
	24Mbps	23 dBm	+/-1.5dB
	36Mbps	21 dBm	+/-1.5dB
	48Mbps	19 dBm	+/-1.5dB
	54Mbps	18 dBm	+/-1.5dB
RX SPECIFICATIONS			
	DataRate	Sensitivity	Tolerance
802.11a OFDM	6Mbps	-94 dBm	+/-1.5dB
	9Mbps	-93 dBm	+/-1.5dB
	12Mbps	-91 dBm	+/-1.5dB
	18Mbps	-90 dBm	+/-1.5dB
	24Mbps	-86 dBm	+/-1.5dB
	36Mbps	-83 dBm	+/-1.5dB
	48Mbps	-77 dBm	+/-1.5dB
	54Mbps	-74 dBm	+/-1.5dB
ADJUSTABLE CHANNEL SIZE SUPPORT (Increase Channel Capacity or Increase Throughput)			
5MHz	10MHz	20MHz	40MHz (Turbo)
CURRENT CONSUMPTION INFORMATION			
TX CURRENT CONSUMPTION			
	DataRate	Current	Tolerance
802.11a OFDM	6Mbps	0.80 A	+/-100 mA
	9Mbps	0.80 A	+/-100 mA
	12Mbps	0.80 A	+/-100 mA
	18Mbps	0.80 A	+/-100 mA
	24Mbps	0.80 A	+/-100 mA
	36Mbps	0.70 A	+/-100 mA
	48Mbps	0.60 A	+/-100 mA
	54Mbps	0.50 A	+/-100 mA
RX CURRENT CONSUMPTION			
	DataRate	Current	Tolerance
802.11a OFDM	6Mbps	300 mA	+/-100 mA
	9Mbps	300 mA	+/-100 mA
	12Mbps	300 mA	+/-100 mA
	18Mbps	300 mA	+/-100 mA
	24Mbps	300 mA	+/-100 mA
	36Mbps	300 mA	+/-100 mA
	48Mbps	300 mA	+/-100 mA
	54Mbps	300 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			

