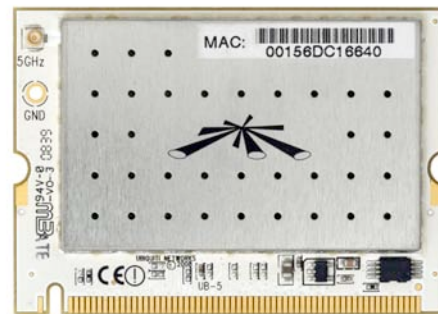




UB-5

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				RX SPECIFICATIONS			
	DataRate	Avg.Power	Tolerance		DataRate	Sensitivity	Tolerance
802.11a OFDM	6Mbps	23 dBm	+/-1.5dB		6Mbps	-94 dBm	+/-1.5dB
	9Mbps	23 dBm	+/-1.5dB		9Mbps	-93 dBm	+/-1.5dB
	12Mbps	23 dBm	+/-1.5dB		12Mbps	-91 dBm	+/-1.5dB
	18Mbps	23 dBm	+/-1.5dB		18Mbps	-90 dBm	+/-1.5dB
	24Mbps	23 dBm	+/-1.5dB		24Mbps	-86 dBm	+/-1.5dB
	36Mbps	21 dBm	+/-1.5dB		36Mbps	-83 dBm	+/-1.5dB
	48Mbps	19 dBm	+/-1.5dB		48Mbps	-77 dBm	+/-1.5dB
	54Mbps	18 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				RX CURRENT CONSUMPTION			
	DataRate	Current	Tolerance		DataRate	Current	Tolerance
802.11a OFDM	6Mbps	0.80 A	+/-100 mA		6Mbps	300 mA	+/-100 mA
	9Mbps	0.80 A	+/-100 mA		9Mbps	300 mA	+/-100 mA
	12Mbps	0.80 A	+/-100 mA		12Mbps	300 mA	+/-100 mA
	18Mbps	0.80 A	+/-100 mA		18Mbps	300 mA	+/-100 mA
	24Mbps	0.80 A	+/-100 mA		24Mbps	300 mA	+/-100 mA
	36Mbps	0.70 A	+/-100 mA		36Mbps	300 mA	+/-100 mA
	48Mbps	0.60 A	+/-100 mA		48Mbps	300 mA	+/-100 mA
	54Mbps	0.50 A	+/-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							