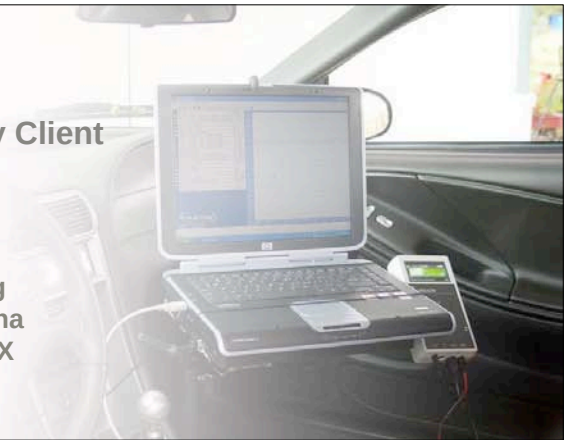




SuperRange Cardbus

Long-Range 802.11a/b/g Mobility Client

The SuperRange Cardbus adapter is a hi-performance, hi-power FCC-compliant client solution specifically designed for long distance links normally impossible to achieve with standard a/b/g cards. It features excellent receiver performance, external antenna connectors, advanced mobility functionality, as well as Cisco CCX 4.0 support with the latest 802.11 QoS and Security standards.

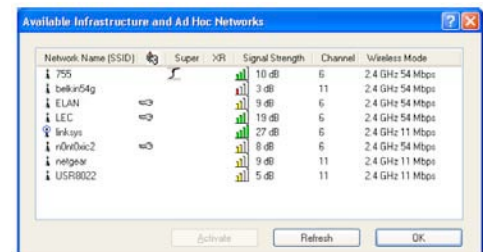


Mesh Networking and Mobility Support

In addition to the superior range and radio performance of the SRC, Ubiquiti has developed an enhanced application that has been qualified and tested with systems from Skypilot Networks, BelAir Networks, Proxim, Packet Hop and others. The utility contains advanced scanning functionality with credential filtering options and detailed performance feedback reporting. In addition, an advanced mobility application allows network administrators to optimize mobility performance based on a variety of thresholds such as signal level, data rate, and AP credentials.



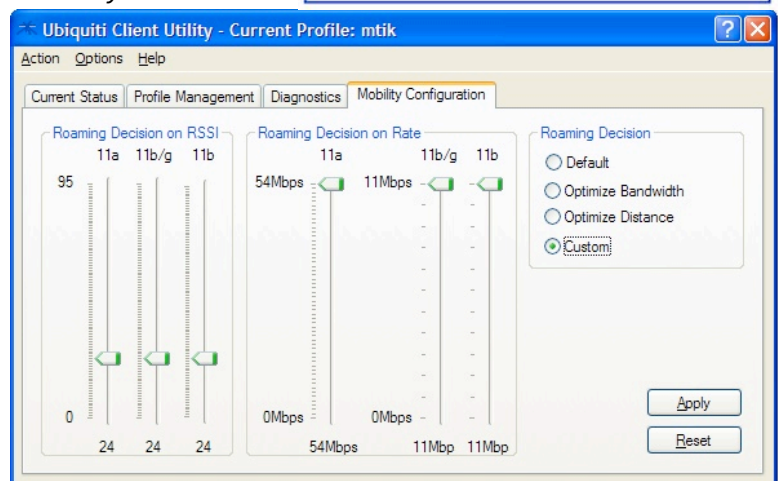
MESH NETWORK



Mobility Screen



Laptop equipped with Ubiquiti SRC + external antenna



SuperRange Cardbus

Technical Specifications



495-499 Montague Expwy.
Milpitas, CA 95035
T (408)-942-3085
F (408)-351-4973
sales@ubnt.com
http://www.ubnt.com

CARD INFORMATION								
Wireless Chipset			Atheros 5004					
Radio Operation			IEEE 802.11a/b/g with CCK/OFDM at BPSK/QPSK/16QAM/64QAM					
Interface			32-bit Cardbus Type II					
Operation Voltage			3.3VDC					
Antenna Ports			Dual MMCX (Primary only required; secondary optional for diversity)					
Temperature Range			-40C to +80C (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					
RoHS Compliance			YES					
REGULATORY INFORMATION								
Wireless Modular Approvals			FCC , Industry Canada, CE (100mW limited)					
OPERATING FREQUENCY 2412MHz-2462MHz								
2.4GHz TX SPECIFICATIONS					2.4GHz RX SPECIFICATIONS			
	DataRate	TX Power	Tolerance			DataRate	Sensitivity	Tolerance
802.11b	1Mbps	24 dBm	+/-1dB		802.11b	1Mbps	-96 dBm	+/-1dB
	2Mbps	24 dBm	+/-1dB			2Mbps	-95 dBm	+/-1dB
	5.5Mbps	24 dBm	+/-1dB			5.5Mbps	-94 dBm	+/-1dB
	11Mbps	24 dBm	+/-1dB			11Mbps	-91 dBm	+/-1dB
802.11g OFDM	6Mbps	24 dBm	+/-1dB		802.11g OFDM	6Mbps	-94 dBm	+/-1dB
	9Mbps	24 dBm	+/-1dB			9Mbps	-93 dBm	+/-1dB
	12Mbps	24 dBm	+/-1dB			12Mbps	-91 dBm	+/-1dB
	18Mbps	24 dBm	+/-1dB			18Mbps	-90 dBm	+/-1dB
	24Mbps	24 dBm	+/-1dB			24Mbps	-86 dBm	+/-1dB
	36Mbps	23 dBm	+/-1dB			36Mbps	-83 dBm	+/-1dB
	48Mbps	22 dBm	+/-1dB			48Mbps	-77 dBm	+/-1dB
	54Mbps	20 dBm	+/-1dB			54Mbps	-74 dBm	+/-1dB
OPERATING FREQUENCY 5745MHz-5825MHz								
5GHz TX SPECIFICATIONS					RADIO 2 5GHz RX SPECIFICATIONS			
802.11a OFDM	6Mbps	20 dBm	+/-1dB		802.11a OFDM	6Mbps	-94 dBm	+/-1dB
	9Mbps	20 dBm	+/-1dB			9Mbps	-93 dBm	+/-1dB
	12Mbps	20 dBm	+/-1dB			12Mbps	-91 dBm	+/-1dB
	18Mbps	20 dBm	+/-1dB			18Mbps	-90 dBm	+/-1dB
	24Mbps	20 dBm	+/-1dB			24Mbps	-86 dBm	+/-1dB
	36Mbps	19 dBm	+/-1dB			36Mbps	-83 dBm	+/-1dB
	48Mbps	18 dBm	+/-1dB			48Mbps	-77 dBm	+/-1dB
	54Mbps	16 dBm	+/-1dB			54Mbps	-74 dBm	+/-1dB
CURRENT CONSUMPTION INFORMATION								
TX CURRENT CONSUMPTION					RX CURRENT CONSUMPTION			
	DataRate	TX Power	Tolerance			DataRate	Sensitivity	Tolerance
802.11b	1Mbps	0.80 A	+/-100 mA		802.11b	1Mbps	350 mA	+/-100 mA
	2Mbps	0.80 A	+/-100 mA			2Mbps	350 mA	+/-100 mA
	5.5Mbps	0.80 A	+/-100 mA			5.5Mbps	350 mA	+/-100 mA
	11Mbps	0.80 A	+/-100 mA			11Mbps	350 mA	+/-100 mA
11g/a	6-24Mbps	0.80 A	+/-100 mA		11g/a	6-24Mbps	350 mA	+/-100 mA
	36Mbps	0.75 A	+/-100 mA			36Mbps	350 mA	+/-100 mA
	48Mbps	0.70 A	+/-100 mA			48Mbps	350 mA	+/-100 mA
	54Mbps	0.60 A	+/-100 mA			54Mbps	350 mA	+/-100 mA
RANGE PERFORMANCE								
Indoor (Antenna Dependent):			Up to 150meters					
Outdoor (Antenna Dependent):			Over 1km					
DRIVER INFORMATION								
Operating System Support			Linux, 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 special driver support, please e-mail support@ubnt.com								
LAPTOP ANTENNA INFORMATION								
Antenna Dimensions			5.1 in x 0.83 in					
Cable			18 in with MMCX plug					
Antenna Type / Polarization			Omni-directional / Verticall Polarized					
Antenna Gain			5dBi					
Mounting Type			Adjustable Laptop Clip Mount and Sticker Mount Included					