

## SuperRange4 Cardbus

**Public Safety 4.9GHz Mobility Client** 

The SuperRange4 Cardbus adapter is a hi-performance, hi-power FCC Part90Y certified 4.9GHz client solution specifically designed to work with 4.9GHz mesh networks. In addition to high output power, it features excellent receiver performance, external antenna connectors, advanced mobility functionality and configuration, as well as Cisco CCX 4.0 support with the latest QoS and Security standards.



## **Mesh Networking and Mobility Support**

In addition to the superior range and radio performance of SR4C, Ubiquiti has developed an enhanced application that has been qualified and tested with systems from Tropos, Skypilot Networks, BelAir Networks, Proxim, Packet Hop and others. The utility is able to scan all 4.9GHz channels, associate at 5/10/20MHz channels widths, and provide performance feedback to the end user. 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.



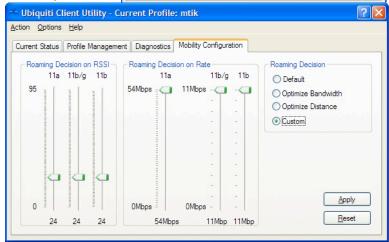




Laptop equipped with Ubiquiti SR4C + external antenna



Mobility Screen



## SuperRange4 Cardbus TECHNICAL SPECIFICATIONS



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

Radio Operati			CAR	<b>INFORMATION</b>				
	ion			Proprietary 4.9GH	z based o	n OFDM 802	.11a with QPSK	/16QAM/64QAM
Interface							32-bit	Cardbus Type II
Operation Vol	tage							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-				
Data Rates								18Mbps. 54Mbps
RoHS Complia	ance			0550	, 55,55,	<u></u>		YES
			REGUI A	ORY INFORMATI	ON			
Wireless Mode	ular Annroval	S		ART90Y and Indust		a Annroval	covers antenna	use un to 27dBi
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		D	ADIO OPERATI	IG FREQUENCY 4.	94-4 99	GH-		
	TY SDEC	CIFICATIONS	ADIO OI ERATI	G T KLQOLKCT -V	J-1 -11J-J		CIFICATIONS	
	DataRate	TX Power	Tolerance			DataRate	Sensitivity	Tolerance
5	6Mbps	23 dBm	+/-1.5dB			6Mbps	-94 dBm	+/-1.5dB
	9Mbps	23 dBm	+/-1.5dB		4.9GHz OFDM	9Mbps	-93 dBm	+/-1.5dB
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4.9GHz OFDM	12Mbps	23 dBm	+/-1.5dB		PO	12Mbps	-91 dBm	+/-1.5dB
	18Mbps	23 dBm	+/-1.5dB		N	18Mbps	-90 dBm	+/-1.5dB
픘	24Mbps	23 dBm	+/-1.5dB		Į.	24Mbps	-86 dBm	+/-1.5dB
96	36Mbps	21 dBm	+/-1.5dB		96	36Mbps	-83 dBm	+/-1.5dB
4.	48Mbps	20 dBm	+/-1.5dB		4.	48Mbps	-77 dBm	+/-1.5dB
	54Mbps	19 dBm	+/-1.5dB			54Mbps	-74 dBm	+/-1.5dB
				SUMPTION INFO				
•	TX CURREN	T CONSUMPTI			F		T CONSUMPTI	
	DataRate	Current	Tolerance			DataRate	Current	Tolerance
	6Mbps	0.80 A	+/-100 mA			6Mbps	300 mA	+/-100 mA
Σ	9Mbps	0.80 A	+/-100 mA		Σ	9Mbps	300 mA	+/-100 mA
4.9GHz OFDM	12Mbps	0.80 A	+/-100 mA		Ð	12Mbps	300 mA	+/-100 mA
	18Mbps	0.80 A	+/-100 mA		ō	18Mbps	300 mA	+/-100 mA
	24Mbps	0.80 A	+/-100 mA		Ä	24Mbps	300 mA	+/-100 mA
	36Mbps	0.70 A	+/-100 mA		4.9GHz OFDM	36Mbps	300 mA	+/-100 mA
	48Mbps	0.65 A	+/-100 mA		ō.	48Mbps	300 mA	+/-100 mA
	54Mbps	0.55 A	+/-100 mA		4	54Mbps	300 mA	+/-100 mA
	134MDPS	[0.55 A	+/-100 IIIA			134MDPS	300 IIIA	+/-100 IIIA
				V	ANNEL	SUDDODT		
		4 9CH	- DUBLIC CAFET	V = D = A       =       A   V = A   =				
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4942.5 MHz 4945.0 MHz	5MHz			<b>Freq</b> 4967 4970	7.5 MHz 0.0 MHz		10MHz	20MHz
4942.5 MHz 4945.0 MHz 4947.5 MHz	5MHz			<b>Freq</b> 4967 4970 4972	7.5 MHz 0.0 MHz 2.5 MHz		10MHz	20MHz
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