



SuperRangeXpress

World's First 34mm Long Range Xpress Card

CARD INFORMATION							
Wireless Chipset				Atheros 5006			
Radio Operation				IEEE 802.11a/b/g with CCK/OFDM at BPSK/QPSK/16QAM/64QAM			
Interface				PCI-Xpress Card, 34mm form factor			
Operation Voltage				3.3VDC			
Antenna Ports				Single MMCX for External Antenna (internal Antenna also integrated)			
Temperature Range				-40C to +80C			
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				5GHz RX SPECIFICATIONS			
802.11a OFDM	6Mbps	19 dBm	+/-1dB	802.11a OFDM	6Mbps	-94 dBm	+/-1dB
	9Mbps	19 dBm	+/-1dB		9Mbps	-93 dBm	+/-1dB
	12Mbps	19 dBm	+/-1dB		12Mbps	-91 dBm	+/-1dB
	18Mbps	19 dBm	+/-1dB		18Mbps	-90 dBm	+/-1dB
	24Mbps	19 dBm	+/-1dB		24Mbps	-86 dBm	+/-1dB
	36Mbps	18 dBm	+/-1dB		36Mbps	-83 dBm	+/-1dB
	48Mbps	16 dBm	+/-1dB		48Mbps	-77 dBm	+/-1dB
	54Mbps	15 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							