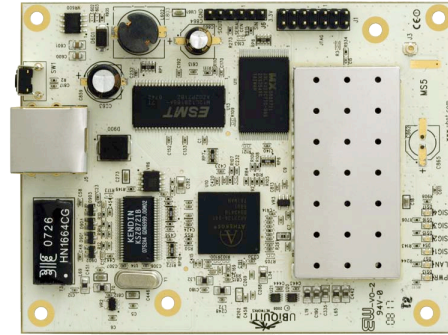





WispStation

Technical Specifications



SYSTEM INFORMATION			
Processor Specs	Atheros AR5312 SOC, MIPS 4KC, 180MHz		
Memory Information	16MB SDRAM, 4MB Parallel Flash		
Serial Interface	10Pin (5x2) Header available for RS232/DB9		
Networking Interface	1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface		
REGULATORY INFORMATION			
Wireless Approvals	FCC Part 15.247, IC RS210, CE ETSI EN301 489-17 / 893		
RoHS Compliance	YES		
RADIO OPERATING FREQUENCY 5.20-5.825GHz			
TX SPECIFICATIONS		RX SPECIFICATIONS	
	DataRate	Avg.Power	Tolerance
802.11a OFDM	6Mbps	22 dBm	+/-1.5dB
	9Mbps	22 dBm	+/-1.5dB
	12Mbps	22 dBm	+/-1.5dB
	18Mbps	22 dBm	+/-1.5dB
	24Mbps	22 dBm	+/-1.5dB
	36Mbps	20 dBm	+/-1.5dB
	48Mbps	19 dBm	+/-1.5dB
	54Mbps	17 dBm	+/-1.5dB
	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)
RANGE PERFORMANCE			
Outdoor (Antenna Dependent):	Over 50km		
PHYSICAL / ELECTRICAL / ENVIRONMENTAL			
Dimensions	4 in. length x 3.2 in. height x 0.6 in. width		
Weight	0.7 lbs		
Max Power Consumption	7.0 Watts		
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)		
DC Voltage Rating	5-24V (18V max recommended)		
ESD/EMP Protection	+/-15kV at RF and Ethernet Ports		
Operating Temperature	-20C to 70C		
SOFTWARE INFORMATION			
Modes	Station, StationWDS, AP Bridge		
Services	SNMP,DHCP,NAT		
Utilities	Antenna Alignment tool, Discovery Utility		
Distance Adjustment	CTS/RTS, ACK Timeout, Fragmentation Threshold		
Power Adjustment	0-26dBm (1dB steps)		
Utilities	Site Survey with preferred ESSID, Antenna Alignment tool, Discovery Utility		
Security	WEP/WPA		
QOS	802.11e / WMM Support		
Statistical Reporting	Ethernet active, uptime, packet success/errors		
Other	Logo / Link Customization		
Security	WEP/WPA		
QOS	802.11e / WMM Support		
Atheros Specific Features	5/10/20 MHz Channels, Fast Frames, Compression, Super Frames		
LED / DISPLAY INFORMATION			
System LED's	Power, LAN, WAN		
Antenna Align / Sig Strength LED's	Software adjustable to correspond to custom RSSI levels		
SOFTWARE			
			
visit www.ubnt.com/airos			

