



NanoStation2

Datasheet



SYSTEM INFORMATION							
Processor Specs	Atheros AR2315 SOC, MIPS 4KC, 180MHz						
Memory Information	16MB SDRAM, 4MB Flash						
Networking Interface	2 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface						
REGULATORY / COMPLIANCE INFORMATION							
Wireless Approvals	FCC Part 15.247, IC RS210, CE						
RoHS Compliance	YES						
RADIO OPERATING FREQUENCY 2412-2462 MHz							
TX SPECIFICATIONS			RX SPECIFICATIONS				
	DataRate	TX Power	Tolerance		DataRate	Sensitivity	Tolerance
802.11b	1Mbps	26 dBm	+/-1dB	802.11b	1Mbps	-97 dBm	+/-1dB
	2Mbps	26 dBm	+/-1dB		2Mbps	-96 dBm	+/-1dB
	5.5Mbps	26 dBm	+/-1dB		5.5Mbps	-95 dBm	+/-1dB
	11Mbps	26 dBm	+/-1dB		11Mbps	-92 dBm	+/-1dB
802.11g OFDM	6Mbps	26 dBm	+/-1dB	802.11g OFDM	6Mbps	-94 dBm	+/-1dB
	9Mbps	26 dBm	+/-1dB		9Mbps	-93 dBm	+/-1dB
	12Mbps	26 dBm	+/-1dB		12Mbps	-91 dBm	+/-1dB
	18Mbps	26 dBm	+/-1dB		18Mbps	-90 dBm	+/-1dB
	24Mbps	26 dBm	+/-1dB		24Mbps	-86 dBm	+/-1dB
	36Mbps	24 dBm	+/-1dB		36Mbps	-83 dBm	+/-1dB
	48Mbps	23 dBm	+/-1dB		48Mbps	-77 dBm	+/-1dB
	54Mbps	22 dBm	+/-1dB		54Mbps	-74 dBm	+/-1dB
RANGE PERFORMANCE							
Outdoor (BaseStation Antenna Dependent):			Over 15km				
FOR 2312-2732 MHz Extended Frequency applications, please contact support@ubnt.com							
INTEGRATED ADAPTIVE ANTENNA POLARITY + EXTERNAL ANTENNA SUPPORT (4 OPTIONS TOTAL)							
Gain	10dBi (2400-2500MHz)		External Connector	SMA			
Polarization	Multi-Polarized		3dB Beamwidth Elevation	30 degrees			
Polarization Selection	Software Controlled		3dB Beamwidth Azimuth	60 degrees			
Azimuth			Elevation				
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size	26.4 cm x 8 cm x 3cm						
Weight	0.4kg						
Enclosure Characteristics	Outdoor UV Stabilized Plastic						
Mounting Kit	Pole Mounting Kit included						
Max Power Consumption	4 Watts						
Power Supply	12V, 1A (12 Watts). Supply and injector included						
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)						
Operating Temperature	-20C to +70C						
Operating Humidity	5 to 95% Condensing						
Shock and Vibration	ETS1300-019-1.4						
SOFTWARE							

Package Contents

