



# NanoStation2

## Datasheet



SYSTEM INFORMATION				
Processor Specs	Atheros AR2315 SOC, MIPS 4KC, 180MHz			
Memory Information	16MB SDRAM, 4MB Flash			
Networking Interface	1 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				
	DataRate	TX Power	Tolerance	
802.11b	1Mbps	26 dBm	+/-1dB	
	2Mbps	26 dBm	+/-1dB	
	5.5Mbps	26 dBm	+/-1dB	
	11Mbps	26 dBm	+/-1dB	
802.11g OFDM	6Mbps	26 dBm	+/-1dB	
	9Mbps	26 dBm	+/-1dB	
	12Mbps	26 dBm	+/-1dB	
	18Mbps	26 dBm	+/-1dB	
	24Mbps	26 dBm	+/-1dB	
	36Mbps	24 dBm	+/-1dB	
	48Mbps	23 dBm	+/-1dB	
	54Mbps	22 dBm	+/-1dB	
RX SPECIFICATIONS				
	DataRate	Sensitivity	Tolerance	
802.11b	1Mbps	-97 dBm	+/-1dB	
	2Mbps	-96 dBm	+/-1dB	
	5.5Mbps	-95 dBm	+/-1dB	
	11Mbps	-92 dBm	+/-1dB	
802.11g OFDM	6Mbps	-94 dBm	+/-1dB	
	9Mbps	-93 dBm	+/-1dB	
	12Mbps	-91 dBm	+/-1dB	
	18Mbps	-90 dBm	+/-1dB	
	24Mbps	-86 dBm	+/-1dB	
	36Mbps	-83 dBm	+/-1dB	
	48Mbps	-77 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	ETSI300-019-1.4			
SOFTWARE				
visit <a href="http://www.ubnt.com/airos">www.ubnt.com/airos</a>				

## Package Contents

