

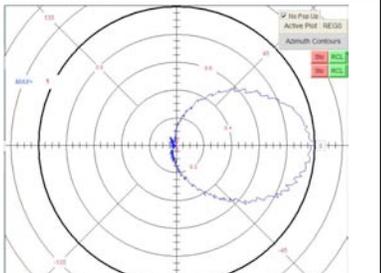
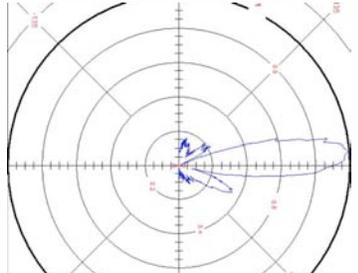


USER INSTRUCTIONS



1. Launch web browser and type 192.168.1.20 to access NanoStation
2. Enter "UBNT" for both username and password

TECHNICAL SPECIFICATIONS

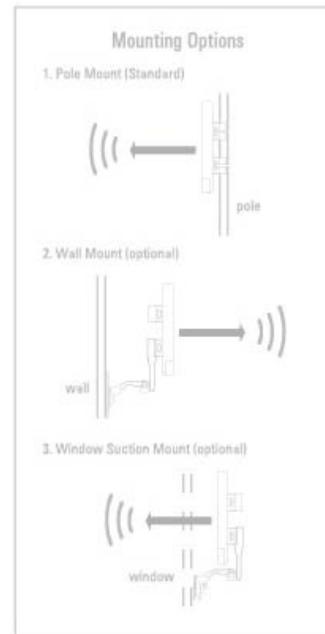
SYSTEM INFORMATION			
Processor Specs	Atheros AR2313 SOC, MIPS 4KC, 180MHz		
Memory Information	16MB SDRAM, 4MB Flash		
Networking Interface	10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface		
REGULATORY / COMPLIANCE INFORMATION			
Wireless Modular Approvals	FCC Part 15.247, IC RS210, CE		
RoHS Compliance	YES		
RADIO OPERATING FREQUENCY 5.475-5.825GHz			
TX SPECIFICATIONS		RX SPECIFICATIONS	
802.11a OFDM	DataRate	Avg.Power	Tolerance
	6Mbps	24 dBm	+/-1.5dB
	9Mbps	24 dBm	+/-1.5dB
	12Mbps	24 dBm	+/-1.5dB
	18Mbps	24 dBm	+/-1.5dB
	24Mbps	26 dBm	+/-1.5dB
	36Mbps	22 dBm	+/-1.5dB
	48Mbps	21 dBm	+/-1.5dB
	54Mbps	19 dBm	+/-1.5dB
802.11a OFDM	DataRate	Sensitivity	Tolerance
	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
RANGE PERFORMANCE			
Outdoor (BaseStation Antenna Dependent):		Over 10km	
ANTENNA			
Gain	14dBi		
Polarization	Multi-Polarized		
Polarization Selection	Software Controlled		
3dB Beamwidth Azimuth	55 degrees		
Azimuth	Elevation		
			
	VSWR		
	1.4:1		
	Front to Back Ratio		
	30dB+		
	3dB Beamwidth Elevation		
	18 degrees		
PHYSICAL / ELECTRICAL / ENVIRONMENTAL			
Enclosure Size	26.4 cm x 8 cm x 3cm		
Weight	0.4kg		
Enclosure Characteristics	Outdoor UV Stabalized Plastic		
Mounting Kit	Pole Mounting Kit included		
Max Power Consumption	5 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		

ADDITIONAL INFORMATION AND COMPLIANCE



NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



This is a Point-to-Point CPE Wireless Device.