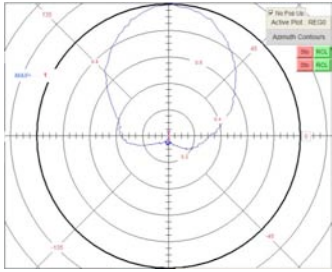
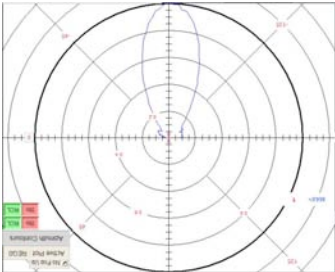




NanoStation2

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				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					
INTEGRATED ADAPTIVE ANTENNA POLARITY + EXTERNAL ANTENNA SUPPORT (4 OPTIONS TOTAL)								
Gain	10dBi (2400-2483.5MHz)			External Connector	RP-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								
								

Package Contents



NanoStation
1 (Qty.)



Plastic Straps
2 (Qty.)



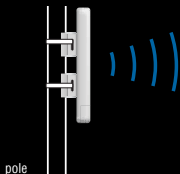
PoE Injector
1 (Qty.)



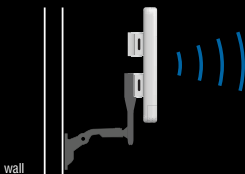
AC Adapter
1 (Qty.)

Mounting Options

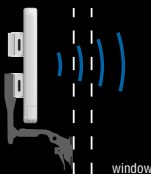
1. Pole Mount (Standard)



2. Wall Mount (optional)



3. Window Mount (optional)



External Status LEDs

Multiple Mounting
Options



Integrated 10dBi
dual polarity antenna

Reset

Ethernet Connection

External Antenna
RP-SMA Connector
(optional)

Waterproof
Sliding Door

CPU	Atheros 180MHz MIPS
RAM	16MB RAM
Flash	4MB FLASH
Wireless	2.4GHz, 802.11b/g
Channel width	5/10/20MHz
Antenna Gain	10dBi x2
Polarity	Adaptive Vertical/Horizontal
Ext. Ant. Option	Yes, RP-SMA Connector
Range	15km+ (100km using ext ant.)
Throughput	25Mbps+ TCP/IP
Mounting	Pole Mount (straps included)
Accessories	Ubiquiti Window/Wall Mount (sold seperately)
Size	26.4cm x 8cm x 3cm
Weight	0.4 kg
Power Supply	12V, 1A POE (included)
Approvals	FCC 15.247, IC, CE