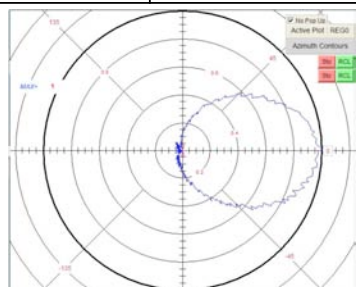
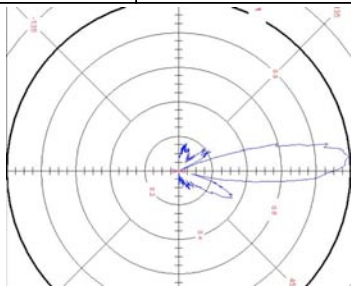




NanoStation5

Datasheet



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					
	DataRate	Avg.Power	Tolerance			DataRate	Sensitivity	Tolerance	
802.11a OFDM	6Mbps	24 dBm	+/-1.5dB		802.11a OFDM	6Mbps	-94 dBm	+/-1.5dB	
	9Mbps	24 dBm	+/-1.5dB			9Mbps	-93 dBm	+/-1.5dB	
	12Mbps	24 dBm	+/-1.5dB			12Mbps	-91 dBm	+/-1.5dB	
	18Mbps	24 dBm	+/-1.5dB			18Mbps	-90 dBm	+/-1.5dB	
	24Mbps	24 dBm	+/-1.5dB			24Mbps	-86 dBm	+/-1.5dB	
	36Mbps	22 dBm	+/-1.5dB			36Mbps	-83 dBm	+/-1.5dB	
	48Mbps	21 dBm	+/-1.5dB			48Mbps	-77 dBm	+/-1.5dB	
	54Mbps	19 dBm	+/-1.5dB			54Mbps	-74 dBm	+/-1.5dB	
ADJUSTABLE CHANNEL SIZE SUPPORT									
5MHz		10MHz		20MHz		40MHz			
RANGE PERFORMANCE									
Outdoor (BaseStation Antenna Dependent):				Over 10km					
INTEGRATED ADAPTIVE ANTENNA POLARITY + EXTERNAL ANTENNA SUPPORT (4 OPTIONS TOTAL)									
Gain		14dBi		External Connector		RP-SMA			
Polarization		Multi-Polarized		VSWR		1.4:1			
Polarization Selection		Software Controlled		Front to Back Ratio		30dB+			
3dB Beamwidth Azimuth		55 degrees		3dB Beamwidth Elevation		18 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		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							
SOFTWARE									
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Package Contents



NanoStation
1 (Qty.)



Plastic Straps
2 (Qty.)



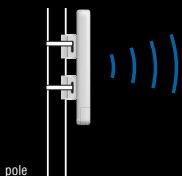
PoE Injector
1 (Qty.)



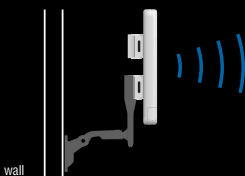
AC Adapter
1 (Qty.)

Mounting Options

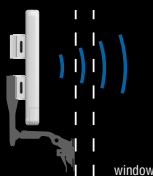
1. Pole Mount (Standard)



2. Wall Mount (optional)



3. Window Mount (optional)



External Status LEDs

Multiple Mounting
Options



Integrated 14dBi
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	5GHz, 802.11a
Channel width	5/10/20/40MHz
Antenna Gain	14dBi x2
Polarity	Adaptive Vertical/Horizontal
Ext. Ant. Option	Yes, RP-SMA Connector
Range	10km+ (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

AirOS™
by Ubiquiti Networks 

Air OS is an intuitive, versatile, highly developed Ubiquiti firmware technology that is included with NanoStation.

It is exceptionally intuitive and was designed to require no training to operate. Behind the user interface is a powerful firmware architecture which enables hi-performance outdoor multipoint networking.

AAP
TECHNOLOGY 

NanoStation utilizes Adaptive Antenna Polarity technology, which can statically or dynamically software switch antenna polarities to optimize your connections.

NanoStation5
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