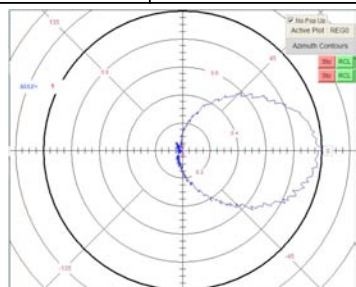
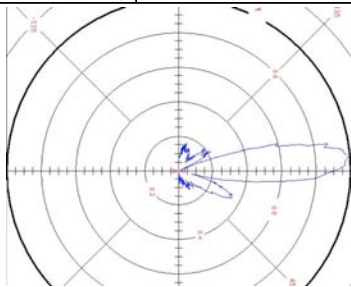




NanoStation5

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							
 by Ubiquiti Networks							
visit www.ubnt.com/airos							



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Package Contents



NanoStation
1 (Qty.)



Plastic Straps
2 (Qty.)



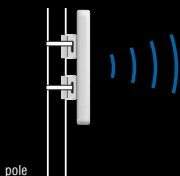
PoE Injector
1 (Qty.)



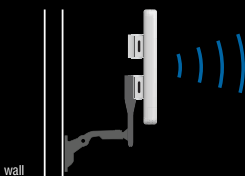
AC Adapter
1 (Qty.)

Mounting Options

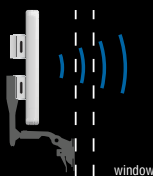
1. Pole Mount (Standard)



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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