



NanoStation5

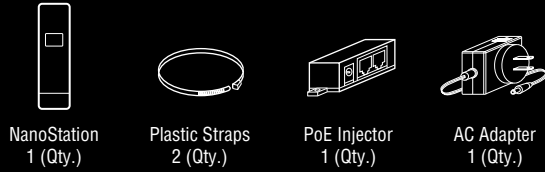
Datasheet



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
802.11a OFDM	6Mbps	24 dBm	+/-1.5dB
	9Mbps	24 dBm	+/-1.5dB
	12Mbps	24 dBm	+/-1.5dB
	18Mbps	24 dBm	+/-1.5dB
	24Mbps	24 dBm	+/-1.5dB
	36Mbps	22 dBm	+/-1.5dB
	48Mbps	21 dBm	+/-1.5dB
	54Mbps	19 dBm	+/-1.5dB
	DataRate	Sensitivity	Tolerance
802.11a OFDM	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
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	
Polarization		Multi-Polarized	
Polarization Selection		Software Controlled	
3dB Beamwidth Azimuth		55 degrees	
External Connector		RP-SMA	
VSWR		1.4: 1	
Front to Back Ratio		30dB+	
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 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	
SOFTWARE			
visit www.ubnt.com/airos			

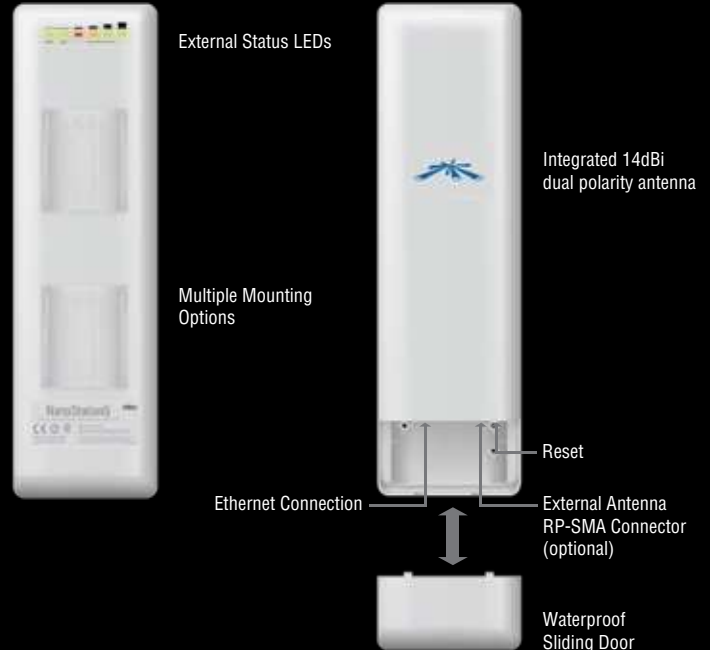
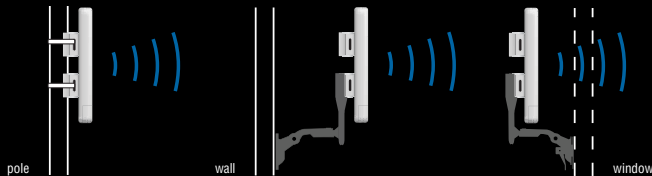


Package Contents



Mounting Options

1. Pole Mount (Standard)
2. Wall Mount (optional)
3. Window Mount (optional)



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

Air OS™

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.