



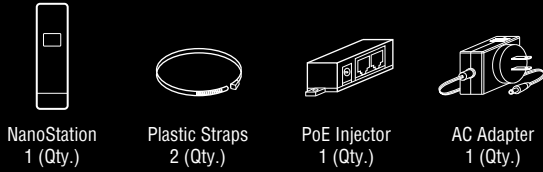
NanoStation2

Datasheet



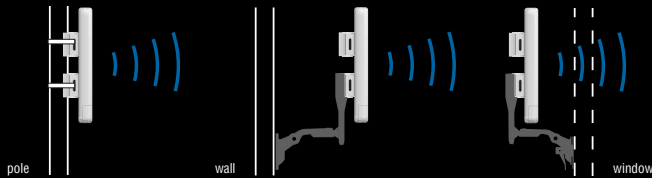
SYSTEM INFORMATION			
Processor Specs		Atheros AR2315 SOC, MIPS 4KC, 180MHz	
Memory Information		16MB SDRAM, 4MB Flash	
Networking Interface		1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface	
REGULATORY / COMPLIANCE INFORMATION			
Wireless Approvals		FCC Part 15.247, IC RS210, CE	
RoHS Compliance		YES	
RADIO OPERATING FREQUENCY 2412-2462 MHz			
TX SPECIFICATIONS			
	DataRate	TX Power	Tolerance
802.11b	1Mbps	26 dBm	+/-1dB
	2Mbps	26 dBm	+/-1dB
	5.5Mbps	26 dBm	+/-1dB
	11Mbps	26 dBm	+/-1dB
802.11g OFDM	6Mbps	26 dBm	+/-1dB
	9Mbps	26 dBm	+/-1dB
	12Mbps	26 dBm	+/-1dB
	18Mbps	26 dBm	+/-1dB
	24Mbps	26 dBm	+/-1dB
	36Mbps	24 dBm	+/-1dB
	48Mbps	23 dBm	+/-1dB
	54Mbps	22 dBm	+/-1dB
RX SPECIFICATIONS			
	DataRate	Sensitivity	Tolerance
802.11b	1Mbps	-97 dBm	+/-1dB
	2Mbps	-96 dBm	+/-1dB
	5.5Mbps	-95 dBm	+/-1dB
	11Mbps	-92 dBm	+/-1dB
802.11g OFDM	6Mbps	-94 dBm	+/-1dB
	9Mbps	-93 dBm	+/-1dB
	12Mbps	-91 dBm	+/-1dB
	18Mbps	-90 dBm	+/-1dB
	24Mbps	-86 dBm	+/-1dB
	36Mbps	-83 dBm	+/-1dB
	48Mbps	-77 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)	
Polarization		Multi-Polarized	
Polarization Selection		Software Controlled	
External Connector		RP-SMA	
3dB Beamwidth Elevation		30 degrees	
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			
visit www.ubnt.com/airos			

Package Contents



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

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.