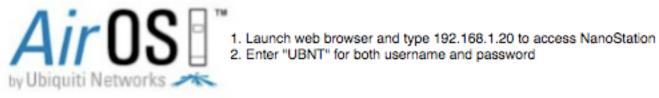


## **B2 USER GUIDE**





### USER INSTRUCTIONS



SYSTEM INFORMATION				
Processor Specs	Atheros AR2315 SOC, MIPS 4KC, 180MHz			
Memory Information	16MB SDRAM, 4MB Flash			
Networking Interface	2 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
1b	1Mbps	28 dBm	+/-1dB		802.11b	1Mbps	-97 dBm	+/-1dB
11	2Mbps	28 dBm	+/-1dB			2Mbps	-96 dBm	+/-1dB
2.	5.5Mbps	28 dBm	+/-1dB			5.5Mbps	-95 dBm	+/-1dB
802	11Mbps	28 dBm	+/-1dB			11Mbps	-92 dBm	+/-1dB
_	6Mbps	28 dBm	+/-1dB		802.11g OFDM	6Mbps	-94 dBm	+/-1dB
FDM	9Mbps	28 dBm	+/-1dB			9Mbps	-93 dBm	+/-1dB
OF!	12Mbps	28 dBm	+/-1dB			12Mbps	-91 dBm	+/-1dB
9 (	18Mbps	28 dBm	+/-1dB			18Mbps	-90 dBm	+/-1dB
110	24Mbps	28 dBm	+/-1dB			24Mbps	-86 dBm	+/-1dB
	36Mbps	24 dBm	+/-1dB	]		36Mbps	-83 dBm	+/-1dB
802.	48Mbps	23 dBm	+/-1dB	]		48Mbps	-77 dBm	+/-1dB
•	54Mbps	22 dBm	+/-1dB			54Mbps	-74 dBm	+/-1dB

RAN	GE PERFORMANCE
Outdoor (BaseStation Antenna Dependent):	Over 15km

PHYSICAL / ELECTRICAL / ENVIRONMENTAL		
Enclosure Size	12 in. length x 4 in. height x 1in. Width	
Weight	0.9kg	
Enclosure Characteristics	Outdoor UV Stabalized 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

# **COMPLIANCE INFORMATION**

#### **FCC**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to pro-vide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

### **INDUSTRY CANADA**

This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.