



EXIP-NANOSTATION 5



SYSTEM INFORMATION							
Processor Specs				Atheros 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			
802.11a OFDM	DataRate	Avg. Power	Tolerance	802.11a OFDM	DataRate	Sensitivity	Tolerance
	6Mbps	22 dBm	+/- 1.5dB		6Mbps	-93 dBm	+/- 1.5dB
	9Mbps	22 dBm	+/- 1.5dB		9Mbps	-92 dBm	+/- 1.5dB
	12Mbps	22 dBm	+/- 1.5dB		12Mbps	-90 dBm	+/- 1.5dB
	18Mbps	22 dBm	+/- 1.5dB		18Mbps	-89 dBm	+/- 1.5dB
	24Mbps	22 dBm	+/- 1.5dB		24Mbps	-87 dBm	+/- 1.5dB
	36Mbps	20 dBm	+/- 1.5dB		36Mbps	-82 dBm	+/- 1.5dB
	48Mbps	19 dBm	+/- 1.5dB		48Mbps	-76 dBm	+/- 1.5dB
54Mbps	17 dBm	+/- 1.5dB	54Mbps	-73 dBm	+/- 1.5dB		
ADJUSTABLE CHANNEL SIZE SUPPORT							
5MHz		10MHz		20MHz		40MHz	
RANGE PERFORMANCE							
Outdoor (BaseStation Antenna Dependent):						Over 5km	
ANTENNA							
Gain				13dBi			
Polarization				Multi-Polarized			
Polarization Selection				Software Controlled			
3dB Beamwidth Azimuth				45 degrees			
Survival Wind				185km/hr			
VSWR				1.4:1			
Front to Back Ratio				30dB+			
3dB Beamwidth Elevation				45 degrees			
Azimuth				Elevation			
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size				16.3 cm. length x 3.1 cm. height x 8cm. width			
Weight				0.18kg			
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			