




# Power Station 5

## 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				
802.11a OFDM	DataRate	Avg.Power	Tolerance	802.11a OFDM	DataRate	Sensitivity	Tolerance
	6Mbps	26 dBm	+/-1.5dB		6Mbps	-94 dBm	+/-1.5dB
	9Mbps	26 dBm	+/-1.5dB		9Mbps	-93 dBm	+/-1.5dB
	12Mbps	26 dBm	+/-1.5dB		12Mbps	-91 dBm	+/-1.5dB
	18Mbps	26 dBm	+/-1.5dB		18Mbps	-90 dBm	+/-1.5dB
	24Mbps	26 dBm	+/-1.5dB		24Mbps	-86 dBm	+/-1.5dB
	36Mbps	24 dBm	+/-1.5dB		36Mbps	-83 dBm	+/-1.5dB
	48Mbps	23 dBm	+/-1.5dB		48Mbps	-77 dBm	+/-1.5dB
	54Mbps	21 dBm	+/-1.5dB		54Mbps	-74 dBm	+/-1.5dB
ADJUSTABLE CHANNEL SIZE SUPPORT							
5MHz	10MHz	20MHz	40MHz*				
RANGE PERFORMANCE							
Outdoor (BaseStation Antenna Dependent):			Over 50km				
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Enclosure Size	18 in. length x 13 in. height x 2in. Width						
Weight	6.7 lbs						
Enclosure Characteristics	Outdoor UV Stabalized Plastic (Antenna) and die cast metal (system)						
Mounting Kit	Pole Mounting Kit included						
Max Power Consumption	6.5 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	-40C to 85C (System PCB optimized for hi-temp)						
Operating Humidity	5 to 95% Condensing						
Shock and Vibration	ETSI300-019-1.4						
SOFTWARE ( <a href="http://www.ubnt.com/airos">www.ubnt.com/airos</a> )							
							

# MODEL NUMBERS



## PS5-22V

Integrated 22dBi Vertical Polarity Panel Antenna

Antenna	
Gain	22dBi (5400-5900MHz)
Polarization	Vertical
Front to Back Ratio	30dB+
3dB Beamwidth	6 Degrees
Survival Wind	185km/hr
VSWR	1.4:1
Impedance	50 ohm
Front to Back Ratio	30dB+



## PS5-EXT

(2) N-Type External Connectors for External Sector/Omni/Dish Applications