

PowerStation

Innovative Design. Software Neutral.

Introducing the PowerStation Series, a versatile open architecture 802.11 based outdoor wireless platform that can be used as an AP, Bridge, PMP Station, Mesh networking client, and in many more applications being developed.

It features exceptional radio and antenna design which allows links to be established over distances of 50km and can provide significantly increased throughput (up to 50+Mbps TCP/IP) over other solutions in comparable environments. Additionally, Ubiquiti has made public Linux SDK and toolchain resources for developers.



MSRP
\$159

Software Partners

PowerStationOS 

OpenWrt 

Ikarus 

OSWAVE 3 

StarOS 

Designed by WISPs for WISPs

The PowerStation architecture design was driven by the WISP community and embodies the collection of feature requests and suggestions proposed to Ubiquiti engineers from WISP operators. Every aspect of the product design from the nuts and bolts to the system and radio hardware to the antenna was 100% designed by Ubiquiti from the ground floor.

Adaptive Antenna Polarity Technology

Traditionally, when deploying outdoor antennas, the polarization is fixed for either vertical or horizontal operation with each having its own advantages.

Ubiquiti developed Adaptive Antenna Polarity (AAP) technology enables fixed use or "adaptively switched" on the fly use of the same antenna in multiple polarities.

SYSTEM INFORMATION	
Processor Specs	Atheros AR2316 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 Modular Approvals	FCC Part 15.247, IC RS210
RoHS Compliance	YES
RANGE PERFORMANCE	
Outdoor (BaseStation Antenna Dependent):	Over 50km
PHYSICAL / ELECTRICAL / ENVIRONMENTAL	
Enclosure Size	18 in. length x 13 in. height x 2in. Width
Weight	8.8 lbs
Enclosure Characteristics	UV Stabalized Plastic (Antenna) and die cast metal (system)
Mounting Kit	Pole / Wall 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	-45C to 85C (System Hardware optimized for hi-temp)
Operating Humidity	5 to 95% Condensing
Shock and Vibration	ETSI300-019-1.4

