



LiteStation2

Hi-Performance, Open Software, 2.4GHz Wireless Platform

SYSTEM INFORMATION			
Processor Specs	Atheros AR2316 SOC, MIPS 4KC, 180MHz		
Memory Information	16MB SDRAM, 4MB Flash		
Serial Interface	On board RS232 with DB9 connector		
Networking Interface	2 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface		
REGULATORY INFORMATION			
Wireless Approvals	FCC Part 15.247, IC RS210, CE		
RoHS Compliance	YES		
RADIO OPERATING FREQUENCY 2412-2462 MHz (2312-2732 MHz*)			
TX SPECIFICATIONS			RX 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
	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
ADJUSTABLE CHANNEL SIZE SUPPORT (Increase Channel Capacity or Increase Throughput)			
5MHz	10MHz	20MHz	40MHz (Turbo)
RANGE PERFORMANCE			
Outdoor (Antenna Dependent):	Over 50km		
PHYSICAL / ELECTRICAL / ENVIRONMENTAL			
Dimensions	4.2 in. length x 3.5 in. height x 0.6 in. width		
Weight	0.2 lbs		
Max Power Consumption	6.5 Watts		
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)		
DC Voltage Rating	5-24V (18V max recommended)		
ESD/EMP Protection	Transient Voltage Suppression at POE port		
Operating Temperature	-40C to 85C (System PCB optimized for hi-temp)		
SOFTWARE INFORMATION			
Modes	Station, StationWDS, AP Bridge		
Services	SNMP,DHCP,NAT		
Utilities	Antenna Alignment tool, Discovery Utility		
Distance Adjustment	CTS/RTS, ACK Timeout, Fragmentation Threshold		
Power Adjustment	0-26dBm (1dB steps)		
Utilities	Site Survey with preferred ESSID, Antenna Alignment tool, Discovery Utility		
Security	WEP/WPA		
QOS	802.11e / WMM Support		
Statistical Reporting	Ethernet active, uptime, packet success/errors		
Other	Logo / Link Customization		
Security	WEP/WPA		
QOS	802.11e / WMM Support		
Atheros Specific Features	5/10/20 MHz Channels, Fast Frames, Compression, Super Frames		
LED / DISPLAY INFORMATION			
System LED's	Power, LAN, WAN		
Antenna Align / Sig Strength LED's	Software adjustable to correspond to custom RSSI levels		
*For special frequency support, e-mail support@ubnt.com			



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