



LiteStation5

Hi-Performance, Open Software, 5GHz Wireless Platform

SYSTEM INFORMATION							
Processor Specs		Atheros AR5312 SOC, MIPS 4KC, 180MHz					
Memory Information		16MB SDRAM, 4MB Parallel Flash					
Serial Interface		10Pin (5x2) Header available for RS232/DB9					
Networking Interface		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 5.20-5.825GHz							
TX SPECIFICATIONS				RX SPECIFICATIONS			
	DataRate	Avg.Power	Tolerance		DataRate	Sensitivity	Tolerance
802.11a OFDM	6Mbps	26 dBm	+/-1.5dB	802.11a OFDM	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 (Increase Channel Capacity or Increase Throughput)							
5MHz		10MHz		20MHz		40MHz (Turbo)	
RANGE PERFORMANCE							
Outdoor (Antenna Dependent):		Over 50km					
PHYSICAL / ELECTRICAL / ENVIRONMENTAL							
Dimensions		4 in. length x 3.2 in. height x 0.6 in. width					
Weight		0.7 lbs					
Max Power Consumption		7.0 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 low/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					



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