



AP48

2.4 / 5.8GHz High Power Outdoor AP

Technical Specifications

System Information

Radio Information

Software Information

Power and Environmental Information

System Information

Processor	184MHz MIPS 4Kc	
Memory	32MByte, 16-bit SDRAM	
Flash	8MByte	
Kernel	Linux 2.6.21	
Driver	Atheros Madwifi	
Interface	Wireless: IEEE 802.11a/b/g	Ethernet: 1 x 10/100 Base T Port
Watch Dog Timer	Yes	

Radio Information

Radio Chip	AR5112		
Mode Support	AP, Client, CPE Router, Repeater, Bridge, Multi Bridge		
Data Rate	802.11a/g 108/ 54/ 48/ 36/ 24/ 18/ 12/ 9/ 6Mbps 802.11b 11/ 5.5/ 2/ 1Mbps (data transfer rate)		
Modulation	BPSK, QPSK, CCK and OFDM		
Channel Bandwidth	20M, Turbo Mode		
Frequency Range	IEEE 802.11 b/g	IEEE 802.11 a	
	USA: 2412 to 2462 MHz	USA: 5180 ~ 5350/ 5725 ~ 5825MHz	
	ETSI: 2412 to 2472 MHz	ETSI: 5180 ~ 5350/ 5470 ~ 5725MHz	
	Japan: 2412 to 2483 MHz	Japan: 5180 ~ 5250MHz	
RF Output Power (Not including Antenna)	802.11a	22±1.5dBm @ 6Mbps 18±1.5dBm @ 54Mbps	802.11b 25±1.5dBm @ 1Mbps 25±1.5dBm @ 11Mbps
	802.11g	25±1.5dBm @ 6Mbps 22±1.5dBm @ 54Mbps	
Receiver Sensitivity (Not including Antenna)	802.11ag	-87±1.5dBm @ 6Mbps -85±1.5dBm @ 9Mbps -82±1.5dBm @ 12Mbps -81±1.5dBm @ 18Mbps -80±1.5dBm @ 24Mbps -78±1.5dBm @ 36Mbps -71±1.5dBm @ 48Mbps -66±1.5dBm @ 54Mbps	802.11b -90±1.5dBm @ 1Mbps -90±1.5dBm @ 2Mbps -86±1.5dBm @ 5.5Mbps -82±1.5dBm @ 11Mbps

Software Information

Wireless	<ul style="list-style-type: none">● Support AP/ Client/ CPE Router/ Bridge/ Multi Bridge mode● Support Site survey function● Support Lock BSSID function● Support WMM (802.11e QoS) function● Support Isolate function● Support Tx Power adjust function● Support Long Distance adjust function● Support PPPoE for WISP(CPE Router mode only)● Support Antenna select
Ethernet	<ul style="list-style-type: none">● Support DHCP Client/ DHCP Server/ Static IP● Support IP Alias
Security	<ul style="list-style-type: none">● Support WEP/ WPA/ WPA2 wireless Encryption● Support MAC Filter
Management	<ul style="list-style-type: none">● Support NTP function● Support SNMP function● Support Bandwidth Control function● Support Country Code Select● Support load factory default● Support backup and restore UI settings● Support Firmware Upgrade

Power & Environmental Information

DC Jack Input	12V@1A (DC Voltage)
PoE	Passive PoE (12 VDC) input
Power Consumption	6W
Operation Temperature	-30°C to +80°C
Humidity	95% @ 55°C
Dimension	70 mm x 90 mm