

Key Feature:

- 1T1R,2.4GHz
- Throughput up to 150Mbps
- RSSI(4 levels)
- Multiple SSID up to 4
- Output power adjustable & ACK timeout
- Support PTP and PTMP(Point to Multi-point)
- Multi-operation mode : AP/Gateway/ WISP(CR) /Client Bridge
- WPA2/WPA/AES/TKIP,SSH and 802.1x Authenticator
- Support MAC & IP address and URL filtering
- QoS:Traffic Control & WMM
- Traffic statistics based port
- Supports Ping Watch Dog and Wireless Speed Test
- Built-in NAT and DHCP Server & Client
- Supports Address Reservation
- Supports UPnP, Dynamic DNS, Static Routing
- Supports PPPoE, Dynamic IP, Static IP Internet Access
- 2 x LAN(10/100Mbps)
- LAN1 / LAN2 Passive POE
- Web-based Administration Manager
- IP65 outdoor Weather-proof housing
- Internal 10dBi directional ANT
- Emergency Recovery Push button Provide a self-aid page for users in case of firmware upgrade failure



Description:

AP1105 2.4G High Power Wireless outdoor WISP AP/CB is dedicated to long distance wireless network solutions,which is a revolutionary design with its features of conciseness,quality,and flexibility.It features 10dBi internal directional Antenna,high output power and high RX sensitivity can significantly extend the transmission range up to 1km-5km to deliver a more stable wireless connection and reduce the expense of equipment.

AP1105 provides multiple - operation modes for users to buildup network or access internet : AP/ WISP/WDS Bridge/ WDS Repeater/Client Bridge. Featuring passive power over Ethernet function is easy to deploy,also 802.3af as a option,

To protect wireless connectivity, AP1105 encrypt wireless transmissions through 64/128-bit WEP data encryption and also supports WPA/WPA2.The MAC address filter make you select exactly which stations should have access to your network.In addition ,the User Isolation function can protect the private network between client and users.

Specification

Hardware			
MCU	RT3050		
RF	1T1R		
Memory	16MB DDR RAM(May extend to 32MB)		
Flash	4MB(May extend to 8MB)		
Interface	2 x RJ-45 for 10/100 Mbps		
	1 x Reset button(reset & factory defaults)		
	1 x Power DC Jack		
Power	12V/1A DC Jack or 12V/1A Passive POE		
RF			
Frequency	802.11b/g/n		
	2.4~2.4835GHz		
	U.S.,Europe and Japan product covering 2.400 to 2.4835 GHz,programmable for different country regulations		
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM		
	DSSS = DBPSK, DQPSK, CCK		
Throughput	150 Mbps		
Sensitivity	802.11n(2.4GHz)	802.11g	802.11b
	-85dBm @ MCS0	-90dBm @ 6Mbps	-92dBm @ 1Mbps
	-68dBm @ MCS7	-72dBm @ 54Mbps	-85dBm @ 11Mbps
Output Power	Radio1(WLAN1)		
	802.11n(2.4GHz)(± 1.5dBm)	802.11g(± 1.5dBm)	802.11b(± 1.5dBm)
	27dBm @ MCS0~2/MCS8~10	27dBm @ 6~24Mbps	30dBm @ 1~11Mbps
	27dBm @ MCS3/MCS11	27dBm @ 36Mbps	
	26dBm @ MCS4/MCS12	26dBm @ 48Mbps	
	26dBm @ MCS5/MCS13	26dBm @ 54Mbps	
	25dBm @ MCS6/MCS14		
	25dBm @ MCS7/MCS15		
Antenna	Internal 10dBi directional ANT		

Software

Operation Mode	Access Point / Ap Client /Gateway / WISP		
Protocol/Standard	IEEE 802.3(Ethernet)		
	IEEE 802.3u(Fast Ethernet)		
	IEEE 802.11b/g/n(2.4G WLAN)		
Wireless	Auto-channel selection		
	Multiple SSID (4 SSID)		
	WDS AP / WDS Bridge		
	BSSID		
Security	WEP Encryption-64/128/152 bit		
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)		
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)		
	Hide SSID		
	MAC/IP address &URL filtering		
	Wireless STA (Client) connected list		

Management	
System Settings	Web-based configuration(HTTP/Telnet)
Firmware Upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured
System monitoring	Status in hand , useful statistic and Event log
Logs	Supports local logs、 logs host、 logs file export
Reset	Renew system or restore to factory defaults
Backup	Restore settings & configuration of the device to local file
Physical Property	
Temperature	Working : -10°C~55°C
	Storage : -20°C to 70°C
Humidity	5%~95%(typical)
Waterproof	IP65
Dimension	
Height	
Package	
✧	AP1105 complete set
✧	PoE Box & Power Adapter
✧	User Manual
✧	Mounting Kit