

Key Feature:

- 2T2R,5.8GHz only
- Data Rate up to 300Mbps
- Signal Strength display(4 levels)
- Multiple SSID up to 4
- QoS:Traffic Control & WMM
- Transmitting power and distance control(ACK Timeout)
- High output transmission power and receiving sensitivity optimized
- Support PTP and PTMP(Point to Multi-point)
- Multi-operation mode :AP/Gateway/ WISP(CR)/WDS /Client Bridge
- WPA2/WPA/AES/TKIP,SSH and 802.1x Authenticator
- MAC & IP Address and URL Filter
- Traffic statistics based port
- Build-in WatchDog Timer
- Supports Ping Watch Dog and Wireless Speed Test
- Built-in NAT and DHCP server supporting Address Reservation
- Supports UPnP, Dynamic DNS, Static Routing
- Supports PPPoE, Dynamic IP, Static IP Internet Access
- 2 x LAN(10/100Mbps)FE
- Web-based Administration Manager
- IP65 outdoor Weather-proof housing
- 14dBi dual-polarized antenna to build long distance Wi-Fi connection
- Passive POE(24V input) for flexible deployment
- Emergency Recovery Push button Provide a self-aid page for users in case of firmware upgrade failure



Description:

L20 is dedicated to long distance wireless network solutions, it features 14dBi high gain antenna dual polarization with high output power and high RX sensitivity can significantly extend the transmission range up to 1km-3km to deliver a more stable wireless connection and reduce the expense of equipment, It's designed to deliver high reliability under harsh outdoor environment. Built-in advanced multi-functions provide flexibility in constructing scalable WiFi networks for all possible applications.

L20 offers bandwidth up to 300Mbps to accommodate heavy traffic services such as multimedia streaming. Establishing backbone network using 802.11a/n ensures stability and reduces interference since 802.11b/g infrastructure run rampant till now.

L20 provides seven operation modes for multiple users to access internet: AP/Gateway/WISP /WDS Bridge/ WDS Repeater/Client Bridge. Featuring passive power over Ethernet function is easy to deploy, To protect wireless connectivity, L20 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	AR9344		
RF	AR9344		
Memory	64MB DDR RAM		
Flash	8MB(May extend to 16MB)		
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 24V/1A Passive POE		
RF			
Frequency	802.11a/n: 5.180 GHz ~ 5.850 GHz		
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK		
Throughput	300 Mbps		
Sensitivity	802.11n HT40(5.8GHz) -83dBm @ MCS0 -65dBm @ MCS7	802.11n HT20(5.8GHz) -86dBm @ MCS0 -68dBm @ MCS7	802.11a -89dBm @ 6Mbps -73dBm @ 54Mbps
Output Power	Radio1(WLAN1)		
	802.11n(5.8GHz)(± 1.5dBm) HT40 @ MCS0~2/MCS8~10 26.0dBm @ MCS3/MCS11 25.5dBm @ MCS4/MCS12 25.0dBm @ MCS5/MCS13 24.5dBm @ MCS6/MCS14 24.0dBm @ MCS7/MCS15	802.11n(5.8GHz)(± 1.5dBm) HT20 @ MCS0~2/MCS8~10 26.5dBm @ MCS3/MCS11 26.0dBm @ MCS4/MCS12 25.5dBm @ MCS5/MCS13 25.0dBm @ MCS6/MCS14 24.5dBm @ MCS7/MCS15	802.11a(± 1.5dBm) 26.5dBm @ 6~24Mbps 26dBm @ 36Mbps 26dBm @ 48Mbps 25dBm @ 54Mbps
Antenna	Internal 14dBi directional ANT(Horizontal Beamwidth: 60°/Vertical Beamwidth: 25°)		

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	
✧	L2o complete set
✧	PoE Box & Power Adapter
✧	User Manual
✧	Mounting Kit