



APM CO., LTD

ALP-8014PW

IEEE 802.11b/g Wireless AP Router- 4 Ports Full Rate ADSL 2/2+ Modem

Features

- Support ITU ADSL ,ADSL2 and ADSL2+
- AMT/OAM support IP/TCP/UDP checksum offloading error packet filter
- Supports IEEE 802.11b/g of Wireless LAN
- Supports Dying Gasp
- Data rate speed upstream to 1Mbps,and downstream to24Mbps
- DSL auto-configuration compliant TR037
- Support HTTP ,SNMP,CLI for Network device management
- Support DHCP and NAT
- Support PPPoE and PPPoA



Spectifications

Standard	Complies with ANSI T1.413 Issue 2, ITU G.DMT and ITU
	G.LITE standards
	Complies with ITU-T
	G.992.1 annexes A/B/H
	G992.2 annexes A/B
	G992.3 ADSL2 annexes A/B/J//L/M
	G992.4 ADSL2
	G922.5 ADSL2+ standards.
	DMT engine support upstream 32Kbps~1024Kbps,and downstream 32Kbps~24Mbps
WAN Mode	PPP over ATM
	PPP over Ethernet
LAN Mode	ATM SAR with up to 8 distinct VCC's(Virtual Channel Connections)
	ATM AAL5 support for CBR, UBR,VBR-rt, and VBR-nrt
	F4/F5 OAM cell support, HEC, CRC
Security	User Authentication for PPP
	PAP (Password Authentication Protocol)
	CHAP (Challenge Authentication Protocol)



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Management	10/100 Base-TX Ethernet MAC support crossover detection & auto-correction and polarity correction
Bridging/Router Protocols	IEEE802.1P/Q VLAN handling
	IP v4/v6,TCP,UDP packet auto-detection
	TCP,UDP,IP checksum task offload
	DHCP,NAT and higher IP layer processing
Connector	One RJ-11 port for ADSL connection
	Four RJ-45 port for 802.3u 10/100MB LAN connection
	One Reset button
	One Power jack
	One SMA
Storage Humidity	10% ~ 90% (Non-condensing)
Operation Temperature	Operation: 0°C ~ 60°C
Power requirement	AC 12V/1A
Antenna	2.4GHz 2dBi

Wireless Protocol and Encapsulation

Number of operation channel	2.412~2.462GHz (Canada, FCC) / 11 Channels
	2.412~2.484GHz (Japan, TELEC) / 14 Channels
	2.412~2.472GHz (Euro, ETSI) / 13 Channels
Security	64/128bit WEP
	WPA(TKIP with IEEE 802.1x)
	WPA2(AES with IEEE 802.1x)
Access Protocol	CSMA/CA
RF Output Power (Typical)	802.11b: up to 17 ±1 dBm
	802.11g: up to 14 ±1 dBm
Data Rate	802.11g: 54, 48, 36, 24, 18, 12, 9 & 6Mbps
	802.11b: 11, 5.5, 2 and 1 Mbps with auto-rate fall back