

Hardware Specifications

Main Chassis	High Solidity ABS Chassis
CPU	High Performance RISC + DSP (Digital Signal Processor)Integrated Processor
Memory	4MB Flash Memory 16MB SDRAM Main Memory
Network Interface	1-port 10/100Mbps Ethernet (LAN 0) for WAN Interface 1-port 10/100Mbps Ethernet (LAN 1) for LAN Interface
LCD Window	59.0mm x 28.0mm(Display Area) Graphic LCD
Voice Interface (Option)	Phone Interface : 1-port FXS Analog Voice Interface (AP-IP90B) PSTN Backup : 1-port FXO Analog Voice Interface (AP-IP90E)
Audio Interface	1-CH 3.5mm Audio Input 1-CH 3-5mm Audio Output
Internal Speaker & MIC	High Quality Sound
Operation Environment	Temperature 0℃ ~ +45℃(operating), -40℃ ~ +85℃ (storage), Humidity 5% ~ 95%
Power Supply	AC110~220VAC 50/60Hz Free Voltage, 5V 2Amp.
Demension	210mm x 200mm x 60mm (D x W x H)
Weight	1.0Kg

IP Telephony Services

IP-PBX Interworking	SSCP AddPac Proprietary Protocol or SIP Protocol
IP-PBX Signaling Protocol	SIP Protocol between IP-PBX and IP Phone
Voice Mail	Voice Mail with IVR Voice Mail Notification
Number & Call Routing	Basic Call, Music on Hold, Blind Transfer, Call Pickup, Consult Call, Switching Call, Consult Transfer, Call Waiting, Call Waiting Notify Call Park, Call Pickup Remote, Hunt Group, Call Swapping, individual Call Park, Group Call Park Call Forwarding ? Unconditional, Busy, No Answer, Voice Mail Etc.
Messenger Interworkng	MS Window based Smart Messenger Program Support
Conference	AddPac IP-PBX Audio MCU or External MCU support

Audio Service and Signaling Protocol Features

Voice and Audio Codec	G.711, G.723.1, G.726, G.729, etc
VoIP Signaling Protocol	SIP/H.323 VoIP Signaling Protocol (Dual Stack) ITU-T H.323 Gateway, Gatekeeper Support SIP Proxy Server Interoperability
Echo Cancellation	G.165 and G.168 Compliant
Voice Processing	VAD, CNG, Dynamic Jitter Buffer Operation
FAX Support	T.38 G3(Group 3) FAX Relay
DTMF	Detection and Generation, RFC 2833 Compliant
Telephone Features	On-screen Dial Pad, Caller ID & Hold
Voice QoS	Enhanced QoS Management for Voice Traffic

WAN, IP Routing and Other Features

WAN Protocol	Point-to-Point Protocol (PPPoE) for ADSL
IP Routing	IPv4 Static and IEEE 802.1Q VLAN Routing
Network Management	Standard SNMP Agent (MIB v2) Support, Telnet, Web Based Management, Remote Firmware (APOS) Upgrade via FTP/TFTP Support
Security Features	IP Packet Filtering, Access List, Access Control and Data Protections, Enable/Disable for Specific Protocols Multi-level User Account Management, Auto-disconnect for Telnet/Console Sessions, PPP User Authentication Support (PAP/CHAP)
Operation & Management	Performance Analyzing (Process, CPU, Interface), Configuration Backup and Restore for APOS Management, Debugging and Diagnosis Features, System Booting/Rebooting through Watch-Dog, Data Logging Features, IP Traffic Statistics through Accounting Support
Other Features	DHCP Server and Relay, Network Address Translation (NAT), Port Address Translation (PAT), IEEE Standard Transparent Bridging (Spanning Tree Bridging and Concurrent Routing Bridging Protocol), Network Time Protocol (NTP), Cisco Style Command Line Interface (CLI), DNS Proxy, UPnP, MAC Address Filter Service etc.
Control and Setting	OSD (On Screen Display) and Remote Commander

Audio, Key, LCD, Network Interface of AP-IP90



1. Graphic LCD
2. Function KEY
3. Ring Indication LAMP
4. Menu KEY
5. Phone Book KEY
6. Volume KEY

7. Internal MIC
8. Mute, Speaker Phone, Headset, Message, Absence KEY (Blue LAMP)
9. Numeric KEY
10. OK, Up/Down, Cancel KEY

11. External Power Input (DC5V)
12. LAN0 (Fast Ethernet)
13. LAN1 (Fast Ethernet)
14. 3.5mm Audio Input
15. 3.5mm Audio Output
16. FXO or FXS Interface

AddPac

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