

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	4 Text Line Graphic LCD
PSTN Backup (Option)	1-port FXO Analog Voice Interface
Audio Interface	1-CH 3.5mm Audio Input 1-CH 3-5mm Audio Output
Internal Speaker & MIC	High Quality Sound
Operation Environment	Temperature 0°C ~ +45°C(operating), -40°C ~ +85°C (storage), Humidity 5% ~ 95%
Power Supply	AC110~220VAC 50/60Hz Free Voltage, 5V 2Amp.
PoE (option)	Power over Ethernet
Demension	H x W x D : (75 x 200 x 210mm)
Weight	1.15Kg

User Presence Service
User Presence Servers

User Busy, User Ringing, Idle
IP-PBX built-in Presence Server,
Independent Large Capacity Presence Server

Presence Server Interworking
User Registration
User Registration Profile

SSCP AddPac Proprietary Protocol
Web based Management
System Manager build User Profiles

Audio Service and Signaling Protocol Features

Voice and Audio Codec
VoIP Signaling Protocol

G.711, G.723.1, G.726, G.729, etc
SIP/H.323 VoIP Signaling Protocol (Dual Stack)
ITU-T H.323 Gateway, Gatekeeper Support
SIP Proxy Server Interoperability

Echo Cancellation
Voice Processing
FAX Support
DTMF
Telephone Features
Voice QoS

G.165 and G.168 Compliant
VAD, CNG, Dynamic Jitter Buffer Operation
T.38 G3(Group 3) FAX Relay
Detection and Generation, RFC 2833 Compliant
On-screen Dial Pad, Caller ID & Hold
Enhanced QoS Management for Voice Traffic

IP Telephony Services (AddPac IP-PBX)

IP-PBX Inter-working	SSCP AddPac Proprietary 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
Messenger Inter-working	MS-Window based Smart Messenger Program Support
Conference	AddPac IP-PBX Audio MCU or External MCU support

WAN, IP Routing and Other Features

WAN Protocol
IP Routing
Network Management

Point-to-Point Protocol (PPPoE) for ADSL
IPv4 Static and IEEE 802.1Q VLAN Routing
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

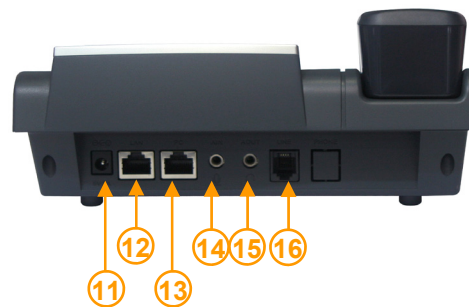
Other Features

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

Speed Dialing Service with User Presence Features

Speed Dialing Service	Extended Speed Dialing Service Box for AddPac IP Phones, Video Phones
Speed Dialing Key Button	12 Key Buttons with User Presence LAMP

Audio, Key, LCD, Network Interface of AP-IP120



1. Graphic LCD
2. Function KEY
3. Ring Indication LAMP
4. Menu KEY
5. Phone Book KEY
6. Speed-Dial Keys

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 PSTN Interface

AddPac

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