

### Hardware Specifications

<b>Main Chassis</b>	High Solidity ABS Chassis
<b>CPU</b>	High Performance RISC + DSP (Digital Signal Processor) Integrated Processor
<b>Memory</b>	4MB Flash Memory 16MB SDRAM Main Memory
<b>Network Interface</b>	1-port 10/100Mbps Ethernet (LAN 0) for WAN Interface 1-port 10/100Mbps Ethernet (LAN 1) for LAN Interface
<b>LCD Window</b>	4 Text Line Graphic LCD
<b>PSTN Backup (Option)</b>	1-port FXO Analog Voice Interface
<b>Audio Interface</b>	1-CH 3.5mm Audio Input 1-CH 3-5mm Audio Output
<b>Internal Speaker &amp; MIC</b>	High Quality Sound
<b>Operation Environment</b>	Temperature 0°C ~ +45°C(operating), -40°C ~ +85°C (storage), Humidity 5% ~ 95%
<b>Power Supply</b>	AC110~220VAC 50/60Hz Free Voltage, 5V 2Amp.
<b>PoE (option)</b>	Power over Ethernet
<b>Demension</b>	H x W x D : (75 x 200 x 210mm)
<b>Weight</b>	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)

<b>IP-PBX Inter-working</b>	<b>SSCP AddPac Proprietary Protocol</b>
<b>IP-PBX Signaling Protocol</b>	<b>SIP Protocol between IP-PBX and IP Phone</b>
<b>Voice Mail</b>	<b>Voice Mail with IVR</b> <b>Voice Mail Notification</b>
<b>Number &amp; Call Routing</b>	<b>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</b>
<b>Messenger Inter-working</b>	<b>MS-Window based Smart Messenger Program Support</b>
<b>Conference</b>	<b>AddPac IP-PBX Audio MCU or External MCU support</b>

### 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

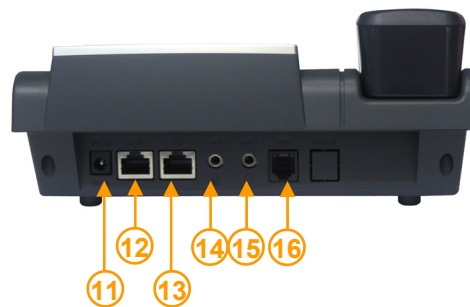
**Other Features**

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

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

### 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

www.addpac.com

**AddPac Technology Co., Ltd.**

2/3/5F, Jeong-Am Bldg., 769-12, Yeoksam-Dong Kangnam-Gu, Seoul, 135-080, Korea  
Phone: +82-2-568-3848, Fax: +82-2-568-3847, e-mail: sales@addpac.com