

High Quality Analog/Digital VoIP Gateway

AP1820

Technical Specification

Hardware Specifications

Main Chassis CPU	Steel Chassis with Two(2) VoIP Module Slots High Performance RISC + DSP (Digital Signal Processor)Integrated Processor												
Memory	4MB Flash Memory 64MB 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												
Console Interface	1-port RS232C Console Interface for CLI (RJ45)												
Voice Interface	<table border="0"> <tr> <td>AP-N1-FXS8</td> <td>8 Port FXS Module (8 x RJ11)</td> </tr> <tr> <td>AP-N1-FXS4O4</td> <td>4 Port FXS & 4 Port FXO Module (8 x RJ11)</td> </tr> <tr> <td>AP-N1-FXO8</td> <td>8 Port FXO Module (8 x RJ11)</td> </tr> <tr> <td>AP-N1-E&M4</td> <td>4 Port E&M Module (4 x RJ45)</td> </tr> <tr> <td>AP-N1-E1</td> <td>1 Port E1/T1 Module (1 x RJ45)</td> </tr> <tr> <td>AP-N1-2E1</td> <td>2 Port E1/T1 Module (2 x RJ45)</td> </tr> </table>	AP-N1-FXS8	8 Port FXS Module (8 x RJ11)	AP-N1-FXS4O4	4 Port FXS & 4 Port FXO Module (8 x RJ11)	AP-N1-FXO8	8 Port FXO Module (8 x RJ11)	AP-N1-E&M4	4 Port E&M Module (4 x RJ45)	AP-N1-E1	1 Port E1/T1 Module (1 x RJ45)	AP-N1-2E1	2 Port E1/T1 Module (2 x RJ45)
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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
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 DNS Proxy, Dual -MAC Address, VLAN, DNS Update Feature, STUN Service for Private IP, Tunneling Service etc.

Power and Operation Management

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 8Amp. 40 Watt, Dual Power Supply
Demension	55mm x 440mm x 267mm (H x W x D)
Weight	3.5Kg

Operation and Management Features

Network Management	Standard SNMP Agent (MIB v2) Support, Telnet, Command Line Interface via Telnet (Public, Private IP Support), Web Based Management (Network, H.323, SIP, etc) Remote Firmware (APOS) Upgrade via FTP/TFTP Support, SNMS (Smart Network Management System) Interworking Support (SNMPv2)
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

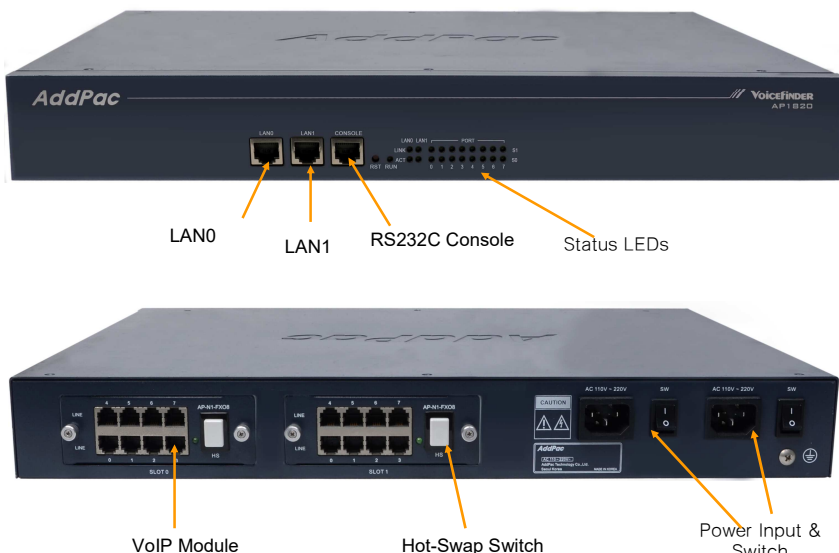
Voice over IP Service Features

Voice and Audio Codec	G.711, G.723.1, G.726, G.729a, 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

Security Features

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)
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LED, VoIP, Network Interface of AP1820



Ordering Information

AP1820-01 : AP1800 Standard Configuration

- Two(2) Fast Ethernet Port
- One(1) Console Port
- RISC CPU,
- 4MB Flash, 64MB SDRAM
- Dual Power Supply
- APOS v8.xx Manual

- CAB-LAN Ethernet Cable
- CAB-CON RS-232C Console Cable
- AP-N1-FXS8 8-port FXS Module
- AP-N1-FXS4O4 4-port FXS&FXO Module
- AP-N1-FXO8 8-port FXO Module
- AP-N1-E&M4 4-Port E&M Module
- AP-N1-E1 1-port E1/T1 Module
- AP-N1-2E1 2-port E1/T1 Module

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

Pac Technology Co., Ltd.