



AP-IP200™

BcN IP Phone

High Performance Broadband Convergence Network
IP Phone Solution

APOS 2.0 Network Protocol Overview for IPv4/IPv6



AddPac

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Hardware Specification

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- **RISC+DSP Microprocessor Computing Power (Dual Processor Architecture)**
- **System Memory**
 - 4Mbyte Flash Memory
 - Main Memory : 32Mbyte SDRAM (IPv4/IPv6 APOS2.0 Stack)
: 16Mbyte SDRAM (IPv4 APOS1.0 Stack)
- **Optional PSTN Interface**
 - FXO Interface
- **High quality Audio and Voice Interface**
 - Stereo Audio In/Out Connector
- **Network Interface**
 - Two(2) 10/100Mbps Fast Ethernet
 - One(1) RS-232C Console
- **Power Supply**
 - Optional PoE (Power over Ethernet) Interface
 - External Power Adaptor (5V, 2A)

Network Protocols

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Basic Network Protocols

- ARP, IP, IPv6, TCP, UDP, ICMP, ICMPv6, SCTP, IGMP, MLD

Routing Protocol

- IPv4 : Static
- IPv6 : Static

Service Protocol

- FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
- CDP (Cisco Discovery Protocol)
- DNS Resolver , DDNS(nsupdate)
- Bridge
- Syslog
- IP/IPv6 policy control (QoS)
- VPDN (Virtual Private Dial-up Network : L2TP Server)

IPv4/IPv6 Address & Interworking

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IPv4/IPv6 Interworking

- NAT/PAT for IPv4
- IP connect (formerly ip-share) and device cascade for IPv4
- IP/IP, IP/GRE tunneling
- NAT-PT
- 6to4, Autoconfig tunneling

IPv4 Address Configuration

- Fixed (Static)
- DHCP
- PPPoE

IPv6 Address Configuration

- Fixed (Static)
- EUI-64
- Autoconfig (Neighbor Advertisement and Solicitation)

Miscellaneous

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Miscellaneous

- Cisco Style CLI
- Standard & Extended IPv4/IPv6 Access List
- Multi-level User Account Management
- IP accounting
- fsh (Embedded file system shell)
- STUN Client

SNMP MIBs

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SNMP MIBs

- MIB-II
- RMON MIBs (Statistics, History, Alarm, Hosts Group)
- RFC2465 Management Information Base for IP Version 6: Textual Conventions and General Group
- RFC2466 Management Information Base for IP Version 6: ICMPv6 Group
- RFC2452 IP Version 6 Management Information Base for the Transmission Control Protocol
- RFC2454 IP Version 6 Management Information Base for the User Datagram Protocol
- AddPac Enterprise MIBs
- etc

VoIP Signaling

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SIP Protocol

- IPv4, IPv6 Address Support (Current)

H.323 Protocol

- IPv4 Support (Current), IPv6 Address (Future)

MGCP Protocol

- IPv4 Support (Current), IPv6 Address (Future)

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Thank you!

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