

High Quality 1-Port VoIP Gateway

AP100

Technical Specification

Hardware Specifications

Main Chassis	High Solidity ABS Chassis
CPU	High Performance RISC + DSP (Digital Signal Processor)Integrated Processor
Memory	2MB 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
Voice Interface	Phone Interface : 1-port FXS Analog Voice Interface(AP100) PSTN Backup : (AP100P)
Power ON/OFF Switch Front LED	Power LED, LAN0 LED, LAN1 LED, Phone LED, Line LED

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 2Amp. 10 Watt
Demension Weight	28.8mm x 77mm x 111mm (H x W x D) 0.12Kg

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, VPMS (VoIP Plug & Play Management) System's Client Support
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

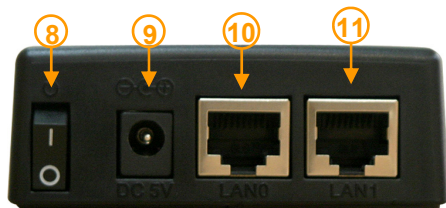
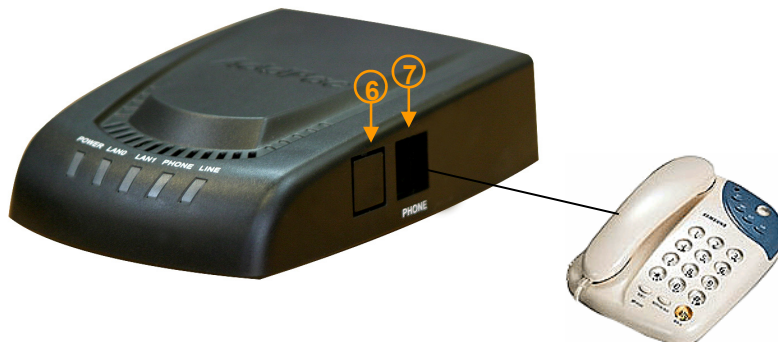
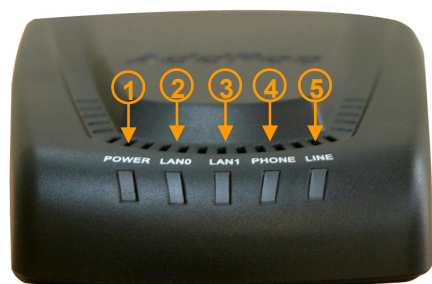
Voice over IP Service Features

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

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 AP100



1. Power LED
2. LAN0 LED
3. LAN1 LED
4. Phone (FXS) LED
5. Line LED
6. PSTN Backup

7. FXS VoIP Interface
8. Power Switch
9. Power Connector
10. 10/100Mbps LAN0 Interface
11. 10/100Mbps LAN1 Interface

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