High Quality 4-Port GSM Gateway

AP-GS804

Technical Specification

Hardware Specifications

Main Chassis	High Solidity ABS Chassis
CPU	High Performance RISC + DSP (Digital Signal Processor)Integrated Processor
Memory	4MB Flash Memory
	32MB SDRAM Main Memory
GSM Interface	4-Port GSM Interface
	4-Port Antenna Interface
	4-Port SIM Card Interface
Network Interface	1-port 10/100Mbps Ethernet Interface(RJ45)
Console Port	1-Port RS232C Interface (RJ45)
Voice Interface	None(Model A)
	4-port FXS Analog Voice Interface (Model B)
	4-Port FXO Analog Voice Interface (Model C)
Power ON/OFF Switch	
Front LED	Power LED, LAN0 LED, LAN1 LED, Analog Port LEDs

Power and Operation Management

Operation Environment	Temperature 0°C to +50°C (32° to 122°F) (operating), -40°C to +85°C (-40° to 185°F) (storage), Humidity 5% ~ 95%
Power Supply	AC110~220VAC 50/60Hz Free Voltage, 12V 3.4Amp. External Power Adaptor
Demension	44mm x 265mm x 165mm (H x W x D)
Weight	0.65Kg

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

GSM Service

GSM Dialing	Two-Stage Dialing Support
GSM Module Management	PIN, IMSI, Power, (No) Shutdown Setting, Up/Down, Speed Display, Current Power Level Display
Black List	GSM/VoIP Inbound Call Black List
White List	GSM/VoIP Inbound Call White List
LCR (Least Cost Routing)	GSM Traffic Metering, Scheduling, Simulator
GSM Messaging Service	GSM SMS Messaging Service
GSM SNMP	GSM Standard MIB

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, NAT/PAT, IEEE Standard Transparent Bridging (Spanning Tree Bridging and Concurrent Routing Bridging 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.

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
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)

GSM, VoIP, LED, Network Interface of AP-GS804

1. RUN LED
2. LAN LEDs
3. GSM Port 0~3 LED
4. Analog Port 0~3 LED
5. Power Switch
6. External Power Input
7. Analog Port 0 (FXS or FXO)
8. Analog Port 1 (FXS or FXO)
9. Analog Port 2 (FXS or FXO)
10. Analog Port 3 (FXS or FXO)
11. SIM Card Slot 0
12. SIM Card Slot 1
13. SIM Card Slot 2
14. SIM Card Slot 3
15. 10/100Mbps LAN Interface
16. Console Port
17. GSM Port 0 Antenna
18. GSM Port 1 Antenna
19. GSM Port 2 Antenna
20. GSM Port 3 Antenna