## Hardware Specifications

| | |
|---|---|
| Main Chassis | High Solidity ABS Chassis |
| CPU | High Performance RISC + DSP (Digital Signal Processor) Integrated Processor |
| Memory | 512MB Flash Memory |
| | 128MB High-Speed SDRAM Main Memory |
| GSM Interface | 16-Port GSM Interface |
| | 16-Port Antenna Interface |
| | 16-Port SIM Card Interface |
| Network Interface | 2-port 10/100Mbps Ethernet Interface(RJ45) |
| Console Port | 1-Port RS232C Interface (RJ45) |
| 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, 5V 20Amp. Internal Power Supply |
| Demension | 55mm x 440mm x 313mm(H x W x D) |
| Weight | 4.7Kg |

## 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 |
| 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, 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 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-GS816



1. CPU RUN LED
2. LAN0 LED
3. LAN1 LED
4. GSM Port LEDs
5. 10/100Mbps LAN0 Interface
6. 10/100Mbps LAN1 Interface
7. Console Port
8. GSM Port 0 Antenna
9. SIM Card Slot 0
10. GSM Port 15 Antenna
11. SIM Card Slot 15
12. Power Inlet
13. Power On/Off Switch

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