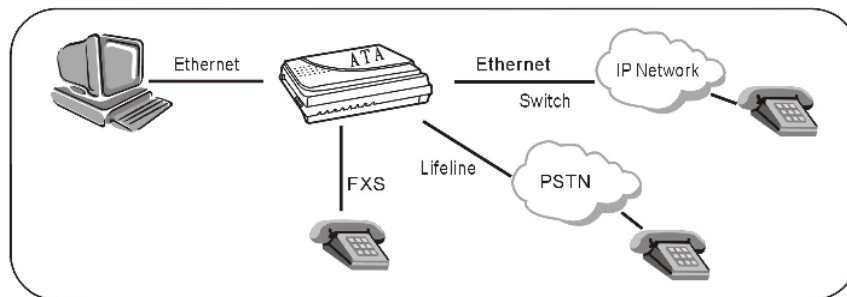


# 1 FXS Port VoIP Gateway

ATA2000BG



## How to Use ATA2000BG



## Voice Features

- ✦ Support SIP 2.0 and correlative RFCs
- ✦ SIP supports 2 SIP servers, public and private server.
- ✦ Codec: G.711A/u, G.729, G.729a/b, G.726-32k, ilbc
- ✦ Echo cancellation: G.168 Compliance in LEC
- ✦ Support Voice Gain Setting, VAD, CNG
- ✦ NAT transverse: support STUN client
- ✦ SIP support SIP domain, SIP authentication (none, basic, MD5), DNS name of server, Peer to Peer/IP call
- ✦ Support choose line automatically, using private server to dial automatically when public server disconnected
- ✦ DTMF Relay: support inband, SIP info, RFC2833
- ✦ SIP application: support call forward/ transfer/ holding/ waiting/ conference
- ✦ Call control features: flexible dial map, hotline, empty calling No. reject service, black list for reject authenticated call, limit call, no disturb, caller ID
- ✦ Support voice record on SIP server
- ✦ Answer or make PSTN call when power is up
- ✦ Lifeline support : switch to PSTN call automatically when internet failed or power is off
- ✦ Busy when line N/A (disable/ n/a lines / n/a voip/ voip failed)
- ✦ Auto use lifeline when voip is N/A
- ✦ Support T.38

## Network Features

- ✦ WAN/LAN: support bridge and router model
- ✦ Support PPPoE for xDSL and auto reconnect after disconnected by server
- ✦ Support basic NAT and NAPT
- ✦ Support DHCP client on WAN and LAN
- ✦ Support ping test with keypad-command
- ✦ Support main DNS and secondary DNS server
- ✦ Support VLAN (optional: voice vlan/ data vlan)
- ✦ Support DMZ
- ✦ Support DNS Relay, SNTP Client, Firewall
- ✦ Support VPN (L2TP/ UDP TUNNEL)
- ✦ QoS with DiffServ
- ✦ Network tools in telnet server: including ping, trace route, telnet client

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## Management

- ✦ Web and telnet management
- ✦ Management with different account right
- ✦ Upgrade firmware through POST mode
- ✦ Upgrade firmware through HTTP, FTP or TFTP
- ✦ Telnet remote management/ upload/ download setting file
- ✦ Safe mode provide reliability
- ✦ Support Auto Provisioning(upgrade firmware and configuration file)
- ✦ Support Syslog

## Specification

- ✦ CPU                               INFINEON (MIPS 4Kc@175MHz)
- ✦ SDRAM                            64 MB
- ✦ Flash memory                   16 MB
- ✦ Power Adapter
  - Input                           110-220V AC 50/60Hz
  - Output                         12V DC 1000mA
- ✦ Port
  - WAN                            1 10/100Base T RJ-45
  - LAN                             1 10/100Base T RJ-45
  - FXS                             1 RJ11 for phone
  - Lifeline                        1 RJ11 for Lifeline (PSTN)
- ✦ Indicator Light                 5 (LED)
- ✦ Power Consumption            4.2W/2.8W
- ✦ Unit Volume                    120mm\*77mm\*24mm(L x W x H)
- ✦ Unit Weight                    0.41 Kg
- ✦ Operation Temperature        0 ~ 80°C
- ✦ Relative Humidity             10 ~ 65%