

GW101

1-Port FXS Mini ATA



Features

- Low cost Mini-sized ATA for traveler & Home user
- Support Telephone/FAX over IP
- Configurable line parameters for different countries
- Provide basic and supplementary calls features
- Good interoperability for IP Centrex, IP-PBX, and SIP servers
- Auto provisioning and web management

GW101 1-port FXS Mini ATA is a SIP- based low cost IP gateway. It is ideal for home users or travelers. It supports one FXS port for analogue phone or FAX and is compatible with common telephones, facsimiles, voice mail systems, and IVR system.

It is a mini-sized and lightweight design with enough features for most applications. It offers convenient-to-carry, easy-to-install and good performance for cost-saving VoIP service around the world. With good interoperability support, this ATA can easily work with different SIP server, soft switch, IP-Centrex, IP-PBX and most IP terminals.



GW101

1-Port FXS Mini ATA

Specifications

Hardware

- Anti-fire ABS plastic handy Housing design
- Housing Dimension: 82 x 55 x 24mm
- Temperature: Operating 0° to 45°C, Storage: -20° to 70°C
- Humidity: Operating 20% to 80%, Storage: 10% to 90%
- One FXS (POTS) port
- One 100/10Mbps Ethernet port
- 4 LEDs: POWER, SYS, WAN, FXS
- 1 DC power input Jack (1.3mm) for a switching power supply
- 1 Reset button for Factory default setting

VoIP Stack

- SIP V2 (RFC3261), SDP (RFC2327) standards
- SIP messages: SIP REGISTER, INVITE, ACK, BYE, CANCEL, REFER, Replace Headers, INFO, SUBSCRIBE, NOTIFY, OPTIONS, PRACK, UPDATE
- SIP authentication (HTTP digest with MD5)

Call Features

- Basic Call
- Caller ID, CLIP / CLIR, Caller ID type II, Call Waiting Caller ID and Flash key support
- Supplementary: Call Hold, Transfer, Forward, Waiting, CWI, 3-way Call Conferencing, MWI, and more
- ITU G.711 pass-through and T.38 FAX support
- Dial Plan support
- IVR control commands

Codec & Voice

- G. 711a/u-law, G.726, (Option: G.729A/B, G.723.1)
- DTMF in-band and out-of-band (RFC2833)
- Tone/Ring generation configurable
- VAD and CNG
- Line Echo Cancellation ITU G.168 (LEC)
- Adaptive jitter buffering
- Packet Loss Concealment (PLC)

Network Protocols

- IPv4, ARP, DHCP, PPPoE, DNS, SNTP (or NTP), ICMP, TCP/IP, UDP, RTP, RTCP
- HTTP Server, TFTP, Telnet,
- NAT traversal with STUN (RFC3489)
- ToS (RFC791), Diffserv (RFC 2475)

Provisioning and Management

- Auto-provisioning thru APS (Option: SecureAPS™)
- Boot time or periodically launching APS
- Remote Firmware and configuration file upgrade
- Option : Highly secure with authentication and encryption (SecureAPS™)
- Option : Status and performance monitoring (SecureAPS™)

