

GR100 / GR200

1/2-Port ATA With IP Sharer/NAT



Features

- Low cost ATA with IP Sharing support
- Support Telephone/FAX over IP
- PSTN emergency back-up function
- Support basic and supplementary calls features
- Highly configurable dial plan
- Good interoperability for IP Centrex, IP-PBX, and SIP servers
- Auto provisioning support and web management

Product Optional Model

Model	WAN	LAN	FXS	PSTN Port
GR200	1	1	2	PSTN Backup
GR100	1	1	1	PSTN Backup
GR200ST	1	1	2	None
GR100ST	1	1	1	None
GR200X	1	1	2	Full FXO Function
GR100X	1	1	1	Full FXO Function

GR100/GR200 ATA IP-Share is a SIP-based low cost IP gateway with embedded IP-sharing/NAT function. It is ideal for residential/SOHO users. GR100/GR200 supports 1/2 FXS ports respectively for analogue phone or FAX and also provides a simple PSTN backup port. Furthermore, GR100/GR200 is compatible with common telephones, facsimiles, voice mail systems, and IVR system.

It is a compact-sized and lightweight design with versatile featured advantages. But it can offer good performance and voice quality for your cost-saving VoIP service. Beyond this, if you just need a simple router, you can save money more in purchasing a router but instead of using its embedded IP-sharing NAT function.



GR100/GR200

2/1-Port ATA With IP Sharer/NAT

Specifications

Hardware

- Anti-fire ABS plastic housing with wall-mount design
- Housing Dimension: 136 x 96 x 28.5mm
- Temperature: Operating 0° to 45° C, Storage: -10° to 60° C
- Humidity: Operating 20% to 80%, Storage: 10% to 90%
- 2/1-port FXS POTS
- 2 ports 100/10Mbps Ethernet IEEE802.3u/802.3
- LAN ports auto MDI/MDXO, auto-negotiation, VLAN tagging
- 6 LEDs: POWER, FXS1, FXS2, LAN, WAN, PSTN
- 1 DC power input Jack (2.5mm)
- 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
- Support one/two number(s) for lines (only for GR200)
- Caller ID, CLIP / CLIR, Caller ID type I and II, Call Waiting Caller ID
- Flash key support
- Supplementary: Call Hold, Transfer, Forward, Waiting, CWI, 3-way Call Conferencing, MWI, and more
- Line hunting for incoming calls (only for GR200)
- ITU G.711 pass-through and T.38 FAX support
- Dial Plan support
- PSTN backup line (Emergency as network/power failure)
- IVR control commands

Codec & Voice

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

Network Protocols

- IPv4, ARP, DHCP, PPPoE, DNS, SNTP, ICMP, TCP/IP, UDP, RTP, RTCP HTTP Server, TFTP, Telnet,
- NAT traversal with STUN (RFC3489), DMZ support
- IP-sharing for LAN port
- 802.1p/802.1q (VLAN)
- 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
- Highly secure with authentication and encryption (SecureAPS™)
- Status and performance monitoring

