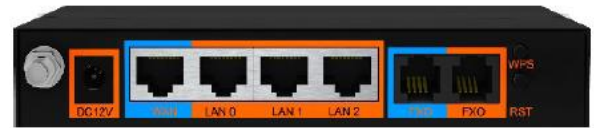# Techroutes
N E T W O R K

New Generation
AG3100-2O FXO Gateway

Broadband VoIP
Residential Gateway

AG3100-2O

Product Overview

AG3100-2O is a multi-functional analog gateway, offering seamless connectivity between IP-based telephony network and legacy telephones (POTS) and PBX systems. The device 2FXO ports, an integrated high-speed NAT router, a 10/100Mbps Ethernet WAN port and three 10/100Mbps Ethernet LAN ports, and thus can share internet connection with local IP-based devices. AG3100-2O supports standard SIP protocol and is compatible with leading IMS/NGN platforms and SIP-based IP telephony systems. It is ideally suitable for residential users and small businesses that need excellent voice quality and advanced telephony services.

Key Features

- Fully compatible with leading IMS/NGN, SIP-based IP telephony system
- 2 FXO ports with RJ11 connector
- Four 10/100Mbps ports with high-speed NAT router
- Fax over IP (Pass-through and T.38)
- Detailed records of 5000 calls
- Built-in SIP server, support up to 32 SIP extensions
- User-friendly web interface, multiple management ways
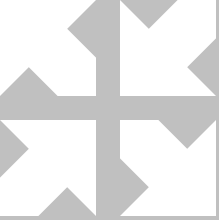
Physical Interface

- FXO Port: 2 (RJ11)
- Ethernet Interfaces
  1*WAN 10/100 Base-T RJ45
  3*LAN 10/100 Base-T RJ45
  WIFI (Optional)
- 2.4GHz 802.11b/g/n,2T2R

Network Features

- Protocols:
- TCP/IP/UDP,RTP/RTCP, ARP/RARP,
- ICMP, NTP/SNTP, DNS/DDNS,FTP,
- Traceroute, Nslookup
- Network Mode
- Bridge/Route
- HTTP/HTTPS
- PPPoE
- DHCP Server/DHCP Client
- Port Mapping
- Firewall
- Telnet/SSH
- PPTP/L2TP Client
- DMZ
- Static Route
- Wi-Fi Authentication
- WEP,WPA+PSK, WPA2+PSK

VoIP

- VoIP Protocols: SIP over UDP/TCP,SDP,RTP
- Codecs: G.711a/µ law,G.723.1, G.729A/B
- Silence Suppression
- Comfort Noise Generator(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation: G.168 with up to 128ms
- Dynamic Jitter Buffer
- Adjustable Gain Control
- Automatic Gain Control （AGC）
- Call Progress Tones: Dial Tone, Ring Back Tone, Busy Tone
- FAX: T.38and Pass-through
- NAT: STUN/UPnP
- DTMF: RFC2833/SIP Info/In-band
- DDNS

FXO

- Connector: RJ11
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Busy Tone Detection
- No Current Detection

Supplementary Features

- Call Forward (Unconditional/No Answer/Busy)
- Call Waiting
- Call Hold
- Call Transfer
- Hotline
- Do-not-disturb
- Three-way Conference
- Ring Group
- Routing Groups
- Caller/Called Number Manipulation
- Routing Basedon Time Period
- Routing Basedon Caller/Called Prefixes
- Routing Basedon Source Trunks
- Dial Rules
- Failover Routing
- IVR Local Maintenance
- Auto Attendant Function
- CDRs
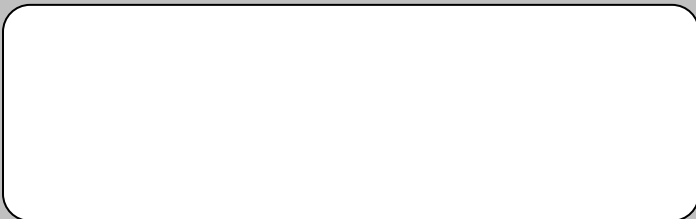- Built-in IPPBX with up to 32 SIP Users

Maintenance

- Web GUI Configuration
- Telnet Management
- Configuration Restore/Backup
- Multiple Languages Supported
- HTTP/TFTP/FTP Firmware Upgrade
- Auto Provision
- CDR Report and Export
- Syslog
- Ping and Traceroute
- Traffic Statistics: TCP,UDP,RTP
- Network Capture
- NTP
- SNMP/TR069

Environmental

- Power Supply: 12VDC, 1A
- Power Consumption: <10W
- Operating Temperature. 0 ℃~ 45 ℃
- Storage Temperature: -20 ℃~80 ℃
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H): 126×75×25mm
- Unit Weight: 0.7kg

Ordering Information

- **AG3100-2O: Dual Port FXO Gateway**

For More details:
visit : www.techroutes.com
Or contact
sales@techroutes.com
voip@techroutes.com

Your Route to The Destination