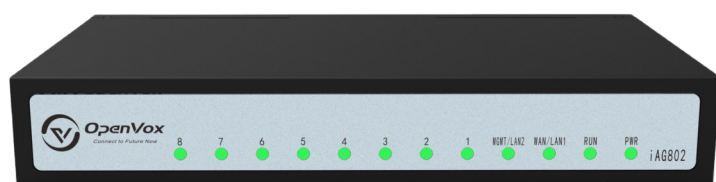## iAG802 Series Analog Gateway

Overview

OpenVox iAG802 is a multifunctional analog gateway that provides 8 FXS ports for seamless connection between IPPBX, fax machines, analog phones and operators. In addition, it has excellent full concurrent voice/fax processing capabilities, strong performance and high stability, and provides high-quality call services for operators, enterprises, call centers and residential users in residential communities.

The iAG802 Analog Gateway, a cost-effective product of the iAG Series, is an ideal analog VoIP gateway solution for SMBs and SOHOs. With friendly GUI and unique design, users may easily customize and configure their gateway. Also secondary development can be completed through API.

The iAG802 Analog Gateway is developed for interconnecting a wide selection of codecs including G.711A/U,G.723.1,G.729A,G.722,iLBC,OPUS,AMR and AMR-WB . iAG802 series use standard SIP protocol and compatible with leading VoIP platform, IPPBX and SIP servers, such as Asterisk, Issabel, 3CX, FreeSWITCH, BroadSoft and VOS VoIP operating platform.

Key features

- 8 FXS ports
- Support SNMP and TR069
- Support IPv4 and IPv6
- 3km Line Length

- G.711A/U,G.723.1,G.729A,G.722,iLBC,OPUS,AMR and AMR-WB
- Support API
- Fully Compatible with leading SIP based VoIP Telephony System
- VEX (Advanced Peer To Peer Call)

Physical Interfaces

Capacity

- 8 FXS with RJ11

Ethernet Interfaces:

- 1 * WAN, 10/100/1000Mbps, RJ-45
- 1 * LAN, 10/100/1000Mbps, RJ-45

Voice & FAX

- G.711A/U,G.723.1,G.729A,G.722,iLBC, OPUS,AMR and AMR-WB
- Comfort Noise Generation(CNG)
- Modem/POS
- Adaptive (Dynamic) Jitter Buffer
- Programmable Gain Control
- DTMF mode: Signal/RFC2833/INBAND
- T.38/Pass-through
- Echo Cancellation(G.168), with up to 128ms

Call Features

- Call Waiting
- Blind Transfer
- Attend Transfer
- Call Forward on Busy
- Call Forward on No Reply
- Unconditional Call Forward
- Warm/Immediately Hotline
- Message Waiting Indicator
- SIP registration to different servers
- Call Hold
- Do-not-disturb
- 3-Way Conference
- Speed Dial

FXS

- Connector: RJ11
- Dial Mode: DTMF and Pulse
- Pulse: 10 and 20 PPS
- Caller ID: DTMF/FSK CLI Presentation
- Max Cable Length: 3 km
- Reversed Polarity Programmable Call Progress Tone

VoIP

Protocol:

- SIP v2.0 (UDP/TCP), RFC3261
- SDP,RTP(RFC2833), RFC3262, RFC3263, RFC3264, RFC3265, RFC3515, RFC2976, RFC3311
- RTP/RTCP, RFC2198, RFC1889
- IPv4 and IPv6
- Outbound Proxy
- RFC2806 TEL URI
- RFC3581 NAT,rport
- VLAN 802.1P/802.1Q
- RFC4028 Session Timer
- DNS SRV/A Query/NATPR Query
- NAT:STUN, Static/Dynamic NAT

Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE
- OpenVPN
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation
- VEX (Advanced Peer To Peer Call)

Maintance

- SNMP v1/v2/v3
- Auto Provisioning
- Web Configuration
- Backup/Restore
- Firmware Upgrade via Web
- CDR
- TR069
- IPoE
- Syslog(Emerg,alert, critical,error warning,notice,info, debug)
- Ping/Tracert Test
- Network Capture
- NTP/Daylight Saving Time
- IVR local Maintenance
- Cloud-based Management

OpenVox iAG802 Series Analog Gateway

Product Name	iAG802
Interfaces	
FXS Ports	8
Ethernet port	2 * 10/100/1000Mbps ports
General Info	
Weight	400g
Dimension	170mm*98mm*26mm
Maximum power	12W
Universal Power Supply	DC 12V/2A
Operation Temperature	0°C ~ 50°C
Operation Humidity Range	10% ~ 90% NON-CONDENSING
Storage Temperature Range	-20°C ~ 70°C
Short/Long Haul Ring Load	2 REN, up to 3km on 24 AWG line
Certification	CE & FCC