OpenVox

iAG200/400 Series Analog Gateway

Overview

OpenVox iAG200/400 Series Analog Gateway, a new 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 setup their customized gateway.In addition,we have a complete API interface.

The iAG200/400 Series Analog Gateways are comprised of four models: iAG200-S with 2 FXS ports, iAG200-O with 2 FXO ports, iAG400-S with 4 FXS ports, iAG400-O with 4 FXO ports.

The iAG200/400 Series Analog Gateways are developed for interconnecting a wide selection of codecs including G.711A/U,G.723.1,G.729A,G.722,iLBC.iAG200/400 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

- 2/4 FXS∕FXO ports
- Support SNMP and TR069
- Support IPv4 and IPv6
- 3km Line Length
- Support API
- Fully Compatible with leading SIP based VoIP Telephony System
- VEX (Advanced Peer To Peer Call)

Physical Interfaces

Capacity

- 2/4 FXS with RJ11
- 2/4 FXO with RJ11

Ethernet Interfaces:

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

Voice & FAX

- G.711A/U,G.723.1,G.729A/B,G.722, G726-32,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, up to 14.4Kbps
- 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

FXO

- Connector: RJ11
- Dial Mode: DTMF/Pulse Dialing
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Busy Tone Detection
- No Current Detection

Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE
- OpenVPN
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation
- Activity Detection (VAD)
- Hook Flash
- IMS/3GPP: Conference (3GPP TS 24.147 V8.2.0), IMS Services (3GPP TS 24.173

VoIP

Protocol:

- SIP v2.0 (UDP/TCP), RFC3261
- SDP(RFC 2327),RTP(RFC2833), RFC3262, RFC3263, RFC3264, RFC3265, RFC3515, RFC2976, RFC3311
- ETC (3GPP TS 24.629, RFC 3891, RFC 3892)
- RTP/RTCP, RFC2198, RFC1889, RFC1890
- Dual Stack (IPv4, IPv6)
- Outbound Proxy
- Support Primary and Backup SIP Server
- 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

Maintance

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

OpenVox iAG200/400 Series Analog Gateway

Product Name	iAG200–S	iAG200–O	iAG200-S/O	iAG400–S	iAG400–O
Interfaces					
FXS/FXO Ports	2	2	1/1	4	4
Ethernet port	2 * 10/100Mbps ports				
General Info					
Weight	160g			176g	
Dimension	125mm*85mm*28.7mm			150mm*100mm*28.7mm	
Maximum power	6W			8W	
Universal Power Supply	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				

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