GW0008 FXS Analog VoIP Gateway

Overview

GW0008 is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems.

The device offers 16 FXS ports, fax over IP and flexible dial plans. It is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

GW0008 supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP based IP telephony systems.

Key Features

- Cost effective gateway with 16 FXS ports
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Multiple codecs: G.711A/U,G.723.1,G.729A/B,AMR,G.726 etc.
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

Physical Interfaces

- **Capacity:** 16 FXS, RJ11
- **Ethernet Interfaces:** 4* LAN, 10/100Mbps, RJ-45
- **Console:** 1*RS232, 115200bps

Voice & FAX

- G.711A/U law, G.723.1, G.729A/B, G.726, AMR, iLBC
- Silence Suppression
- Comfort Noise Generation(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation (G.168), with up to 128ms
- Adaptive (Dynamic) Jitter Buffer
- Hook Flash
- Programmable Gain Control
- T.38/Pass-through
- High speed fax up to 14.4kbps
- Modem/POS
- DTMF mode: Signal/RFC2833/INBAND
- VLAN 802.1P/802.1Q (voice/data/management VLANs)
- Layer3 QoS and DiffServ

FXS

- Connector: RJ11
- Dial Mode: DTMF and Pulse
- Pulse: 10 and 20 PPS
- Caller ID: DTMF/FSK CLI Presentation
- Max Cable Length: 5 km
- Reversed Polarity
- Programmable Call Progress Tone

VoIP

- **Protocol:** SIP v2.0 (UDP/TCP),RFC3261 SDP,RTP(RFC2833), RFC3262, 3263,3264,3265,3515,2976,3311
- SIP TLS/SRTP
- RTP/RTCP, RFC2198, 1889
- RFC4028 Session Timer
- RFC3266 IPv6 in SDP
- RFC2806 TEL URI
- RFC3581 NAT,rport
- Primary/backup SIP server
- Outbound Proxy
- DNS SRV/ A Query/NATPR Query
- SIP Trunk
- Early Media/Early Answer
- NAT:STUN, Static/Dynamic NAT

Supplementary Service

- Call Waiting
- Blind Transfer
- Attend Transfer
- Call Forward on Busy
- Call Forward on No Reply
- Unconditional Call Forward
- Warm/Immediately Hotline
- Call Hold
- Do-not-disturb
- 3-Way Conference Message
- Waiting Indicator

Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE/IPv4/IPv6
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation
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Maintenance

- SNMP v1/v2/v3
- TR069
- Auto Provisioning
- Web/Telnet
- Configuration Backup/Restore
- Firmware Upgrade via Web
- CDR
- Syslog
- Ping/TracertTest
- Network Capture
- Outward Test (GR909)
- NTP/Daylight Saving Time • IVR local Maintenance
- Cloud-based Management

Environmental

- Power Supply: 100-240VAC, 50-60 Hz
- Power Consumption:30W(Typical)
- Operating Temperature:0 ℃ ~ 45 ℃
- Storage Temperature: -20 ℃ ~80 ℃
- Humidity:10%-90% Non-Condensing
- Dimensions(W/D/H): 440*230*44mm
- Unit Weight: 2.7kg Compliance: CE, FCC