

## GW0015 FXS Analog VoIP Gateway

### Overview

GW0015 is a functional analog gateway offering seamless connectivity between VoIP and traditional phone system. It's a highly-integrated gateway which provides 72 FXS ports with standard R21 interface in 1U size. Users can easily connect their analog phone, fax, PBX via standard voice interface. GW0015 supports the standard SIP protocol and it's compatible with leading IMS/NGN platform and SIP-based IP telephony system. services.





## **Key Features**

- High density gateway,
- 72 FXS in 1U size
- Open-standard SIP support
- 5KM Maximum Cabling Length
- Elastix/Broadsoft Certification
- Multiple codecs: G.711A/U,G.723.1,G.729A/B, iLBC, AMR
- Fully compatible with leading IMS/NGN, SIP based IP telephony system





### **Physical Interfaces**

- Phone Connector
  72 FXS with 3\* RJ21, 50 PIN
- Console
  1\* RS232, 115200bps
- Network Interface
  2\* 10/100 Base-T

### **Voice & FAX**

- G.711A/U law, G.723.1,
  G.729A/B,G.726,iLBC,AMR
- 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
- Modem/POS
- DTMF mode: Signal/RFC2833/INBAND
- VLAN 802.1P/802.1Q
- Layer3 QoSand DiffServ

### **FXS**

- Connector: RJ21
- Dial Mode: DTMF and Pulse
- Pulse: 10 and 20 PPS
- Caller ID: DTMF/FSK CLI Presentation
- Max Cable Length: 5KM
- Reversed Polarity
- Programmable Call Progress Tone
- Internal Call

### **VoIP**

- Protocol: SIP v2.0 (UDP/TCP), RFC3261
  SDP, RTP (RFC2833), RFC3262,
  3263,3264,3265,3515,2976,3311
- RTP/RTCP, RFC2198, 1889
- SIP TLS/SRTP
- 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 NA



# **GW0015 Gateway**

## **Supplementary Service**

- Call Waiting
- Blind Transfer
- Attend Transfer
- Call Pickup
- 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: 75W
- Operating Temperature: 0 °C ~ 45 °C
  - Storage Temperature: -20 °C ~80 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H): 440\*280\*44mm (1U)
- Unit Weight: 4.0kg
- Compliance: CE, FCC