

## Galaxy FXS Analog VoIP Gateway

### Overview

E-Metrotel's Galaxy 8-port FXS is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones, fax machines and PBX systems. The device offers 8 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.

Galaxy 8-port FXS supports the standard SIP protocol and is compatible with leading IMS/NGN platforms and SIP-based IP telephony systems.



Galaxy 8-Port FXS Gateway

### Key Features

- ✓ Cost effective gateway with 8 FXS ports
- ✓ Fax over IP (T.38 and Pass-through)
- ✓ Supports IPv4 and IPv6
- ✓ TR069 and SNMP
- ✓ Elastix/Broadsoft Certification
- ✓ Multiple codecs: G711A/U,G.723.1,G.729A/B,AMR,G.726 etc.
- ✓ Fully compatible with leading IMS/NGN, SIP based IP telephony systems

## Physical Interface

### Capacity:

- 8 FXS, RJ-11

### Ethernet Interface:

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

## Voice & Fax

- G.711A/U law, G.723.1, G.729A/B, G726, 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
- Modem/POS
- DTMF mode: Signal/RFC2833/INBAND
- VLAN 802.1P/802.1Q
- 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: 3km
- Reversed Polarity
- Programmable Call Progress Tone

## VoIP

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

## Maintenance

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

## Environmental

- Power Supply: 100-240VAC, 50-60 Hz@DC12V 2A
- Power Consumption: 18W (Typical)
- Operating Temperature: 0 °C ~ 45 °C  
Storage Temperature: -20 °C~80 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions(W/D/H): 240\*154\*37mm
- Unit Weight: 1.0kg
- Compliance: CE, FCC