

## TSV-1000-40/80: FXO VoIP Analog Access Gateway



TSV-1000-40



TSV-1000-80

### DESCRIPTION:

**TSV-1000** is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), and PBX systems. The device offers 4 or 8 FXO ports, which is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services. **TSV-1000** 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 4/8 FXO ports
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Elastix/Broadsoft Certification
- Multiple codecs: G.711A/U,G.723.1,G.729A/B etc.
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

### PHYSICAL INTERFACES:

- Capacity: 4\* FXO, RJ11. / 8\* FXO, RJ11.
- Ethernet Interfaces: 1 \* WAN, 3\* LAN,10/100Mbps, RJ-45
- Console:N/A

### VOICE & FAX

- G.711A/U law, G.723.1, G.729A/B.
- Silence Suppression.
- Comfort Noise Generation(CNG).
- Voice Activity Detection(VAD).
- Echo Cancellation(G.168), with up to128ms.
- Adaptive (Dynamic) Jitter Buffer.
- Programmable Gain Control.
- T.38/Pass-through.
- Modem/POS.
- DTMF mode: Signal/RFC2833/INBAND.
- VLAN 802.1P/802.1Q.
- Layer3 QoS and DiffServ

### FXO PORT:

- Connector: RJ11
- Dial Mode: DTMF and Pulse Dialing
- Caller ID: DTMF/FSK

- Reversed Polarity.
- Answer Delay.
- Busy Tone Detection.
- No Current Detection.

## VOIP:

- Protocol: SIP v2.0 (UDP/TCP), RFC3261.
- SDP,RTP(RF2833), RFC3262.
- 3263,3264,3265,3515,2976,3311.
- RTP/RTCP, RFC2198, 1889.
- RFC4028 Session Timer.
- RFC3266 IPv6 in SDP.
- RFC2806 TEL URI.
- RFC3581 NAT, port.
- Primary/Backup SIP Server.
- Outbound Proxy.
- DNS SRV/ A Query/NATPR Query.
- SIP Trunk.
- Early Media/Early Answer.
- NAT:STUN, Static/Dynamic NAT.

## NETWORK FEATURES

- Static/Dynamic IP.
- PPPoE.
- DHCP Client.
- IPv4/IPv6.
- TCP, UDP,TFTP, FTP, ARP,RARP,Ping, NTP, SNTP, HTTP/HTTPS, DNS.
- Ping / Tracert.
- DHCP Option 66,120,121.

## MAINTAINENCE

- SNMP v1/v2/v3.
- TR069.
- Auto Provisioning.
- Web/Telnet.
- Configuration Backup/Restore.
- Firmware Upgrade via Web.
- CDR.
- Syslog.
- Network Capture.
- NTP/Daylight Saving Time.
- IVR local Maintenance.
- Cloud-based Management.

## ENVIRONMENT

- Power Supply:100-240V,50-60Hz
- Power Consumption:30W(Typical Power Consumption: 6W(long line 8W)
- Temperature(Operation): 0 °C ~ 45 °C (Storage): -20 °C ~80 °C
- Humidity: 10%-90% No condensation
- Dimensions (W/D/H): 440\*230\*44mm.
- Unit Weight: 2.7kg.
- Compliance: CE, FCC.

## SOFTWARE FEATURES:

- Port Group.
- Web ACL.
- Telnet ACL.
- Action URL.
- Digitmap.
- Routing Rules based Prefixes.
- Caller/Called Number Manipulation.