

TSV-IPB100 Universal Gateway

Description:

TSV-IPB100 VoIP Gateway is a multi-functional analog gateway, offering seamless connectivity between IP-based telephony network and legacy telephones (POTS), fax machines and PBX systems. The device offers 1 FXS and 1 FXO ports, an integrated high-speed NAT router, a 10/100Mbps Ethernet WAN port and three 10/100Mbps Ethernet LAN ports, and thus can share internet connection with local IP-based devices.

TSV-IPB100 VoIP Gateway supports standard SIP protocol and is compatible with leading IMS/NGN platforms and SIP-based IP telephony systems. It is ideally suitable for residential users and small businesses that need excellent voice quality and advanced telephony services.

Product Pictures:



Back View



Front View

Key Features

- 1 FXS and 1 FXO ports (RJ11)
- Four 10/100Mbps ports with high-speed NAT router
- Fax over IP (Pass-through and T.38)
- Detailed records of 5000 calls
- Built-in SIP server, support up to 32 SIP extensions User-friendly web interface, multiple management ways

Physical Interfaces

- FXS Port: 1 (RJ11)
- FXO Port: 1 (RJ11)
- Ethernet Interfaces
 - 1*WAN 10/100 Base-T RJ45
 - 3*LAN 10/100 Base-T RJ45
- WIFI (Optional)
 - 2.4GHz 802.11b/g/n,2T2R

FXS

- Connector: RJ11
- Caller ID: Bellcore Type 1&2, ETSI,BT,NTT and DTMF
- Answer and Disconnect Signaling: Answer, Disconnect, Busy Tone
- Polarity Reversal
- Hook Flash

Voice Capabilities

- VoIP Protocols: SIP over UDP/TCP,SDP,RTP
- Codecs: G.711a/μ law,G.723.1, G.729A/B
- Silence Suppression
- Comfort Noise Generator(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation: G.168 with up to 128ms
- Dynamic Jitter Buffer
- Adjustable Gain Control
- Automatic Gain Control (AGC)
- Call Progress Tones: Dial Tone, Ring Back Tone, Busy Tone
- FAX: T.38 and Pass-through
- NAT: STUN/UPnP
- DTMF: RFC2833/SIP Info/In-band

Network Features

- Protocols:
 - TCP/IP/UDP,RTP/RTCP, ARP/RARP, ICMP, NTP/SNTP, DNS/DDNS,FTP,Tracert, Nslookup
- Network Mode: Bridge/Route
- HTTP/HTTPS
- PPPoE
- DHCP Server/DHCP Client
- Port Mapping
- Firewall
- Telnet/SSH
- PPTP/L2TP Client
- DMZ
- Static Route
- Wi-Fi Authentication
- WEP,WPA+PSK, WPA2+PSK

FXO

- Connector: RJ11
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Busy Tone Detection
- No Current Detection

Maintenance

- Web GUI Configuration
- Telnet Management
- Configuration Restore/Backup
- Multiple Languages Supported
- HTTP/TFTP/FTP Firmware Upgrade
- Auto Provision
- CDR Report and Export
- Syslog
- Ping and Tracert
- Traffic Statistics: TCP,UDP,RTP
- Network Capture
- NTP

Supplementary Services

- Call Forward (Unconditional/No Answer/Busy)
- Call Waiting
- Call Hold
- Call Transfer
- Hotline
- Do-not-disturb
- Three-way conference

Environmental

Power Supply: 12VDC, 1A
 Power Consumption: 10W
 Operating Temperature: 0 °C ~ 45 °C
 Storage Temperature: -20 °C ~80 °C
 Humidity: 10%-90% Non-Condensing
 Dimensions (W/D/H): 126×75×25mm
 Unit Weight: 0.7k

Software Features

- Ring Group
- Routing Groups
- Caller/Called Number Manipulation
- Routing Based on Time Period
- Routing Based on Caller/Called Prefixes
- Routing Based on Source Trunks
- Dial Rules
- Failover Routing
- IVR Local Maintenance
- Auto Attendant Function
- CDRs

Application:

