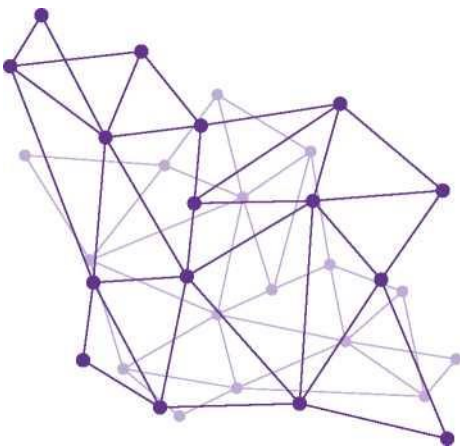


## TECHNICAL DESCRIPTION

# LVX-500

IP PBX



LVX-500 is an IP telephony system, which is used to help small and medium-sized enterprises establish a convenient and high-efficient communication way.

The gateway provides 2 FXO ports and 2 FXS ports, and meanwhile it can be extended based on the Session Initiation Protocol (SIP). Interworking with traditional PBX and third party IPPBX system, it allows users to communicate through voice, fax, data or video.

### Key features:

- Supports up to 500 SIP users and 30 concurrent calls
- Supports 2 FXO and 2 FXS ports with lifeline capability
- Flexible dial rules based on time, number or source IP etc.
- Supports Multi-level IVR(Interactive Voice Response)
- Built-in VPN server/client
- Support voicemail/ Voice recording
- User-friendly web interface, classification of web user's rights

## Physical Interfaces:

- FXS: 2 \*FXS Ports
- FXO: 2 \* FXO Ports
- USB Interface: 1\* USB2.0
- Ethernet Interfaces
- 1 WAN, 100/1000M, Base-T, RJ45
- 1 LAN, 100/1000M, Base-T, RJ45
- 1\*SD card slot
- 1\* Console port
- LED Indicators: PSTN Line, FXS,
- USB,SD,PWR/RUN

## FXS:

- Connector: RJ45
- Caller ID: Bellcore Type 1&2,
- ETSI,BT,NTT and DTMF
- Answer and Disconnect Signaling:
- Answer, Disconnect, Busy Tone
- Polarity Reversal
- Hook Flash

## FXO:

- Connector: RJ45
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Detection of Busy Tone
- Detection of No Current
- Auto Match of FXO Impedance

## Voice Capabilities:

- VoIP Protocols: SIP over
- UDP/TCP/TLS,RTP/SRTP
- Codecs: G.711,G.723.1, G.729A/B,
- G.722,G.726, OPUS
- 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/Signal/Inband
- VPN Server/Client

## Maintenance:

- Web GUI Configuration
- Telnet Management
- Configuration Restore/Backup
- HTTP/TFTP/FTP Firmware Upgrade
- Auto Provision
- Syslog
- Ping and Tracert
- Traffic Statistics: TCP,UDP,RTP
- Network Capture
- NTP
- Classification of Web Users' Rights
- HTTP&HTTPS/NATS API

## PBX Services:

- Call Forward (Unconditional/No Answer/Busy)
- Call Waiting
- Call Holding
- Call Transfer
- Hotline
- Do-not-disturb
- 3-Way Conference
- Ring Group
- Call Queue
- 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
- Multi-level IVR
- Auto-attendant Function
- CDRs

- Voicemail
- Voice Recording
- Up to 1000 SIP Extensions
- Up to 200 Concurrent Calls
- Paging
- Event Report
- Email Client
- Voicemail to Email

## Environmental:

- Power Supply: 12VDC, 2A
- Power Consumption: 18W
- Operating Temperature: 0 °C ~ 40 °C
- Storage Temperature: -10 °C ~90 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H):
- 240×180×35mm
- Unit Weight: 1 kg

## Ordering information:

Vendor code	Description
LVX-500	IP PBX LVX-500



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