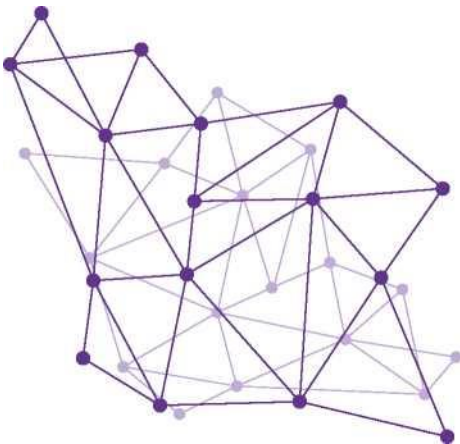TECHNICAL DESCRIPTION

LVX-1000

IP PBX

LVX-1000 is a new generation IP PBX for large capacity unified communication solutions. Based on powerful hardware platform, It supports 1000 extensions and 200 concurrent calls which is integrated voice, video, paging, fax, conference, recording and other useful functions. It also provides four slots which are able to install E1/T1 boards, FXS and FXO boards by hot-plug mode, so that it can be flexibly configured and combined according to the actual use scenarios. It is not only suitable for helping to build the telephony system of large and medium-sized enterprises, but also can meet the branch office needs of large group enterprises and government agencies, helping enterprises and industry customers to establish a convenient and efficient IP telephone system.

Key features:

- Supports up to 1000 SIP users and 200 concurrent calls
- Supports E1/T1, FXO and FXS ports with the flexible and alternative capability
- Distributed multi-core CPU, greatly improves the call processing capacity
- Flexible dial rules based on time, number or source IP etc.
- Supports Multi-level IVR, helps to build personalized voice navigation for enterprise
- Built-in VPN server/client
- Support voicemail/ Voice recording
- User-friendly web interface, classification of web user's rights

Physical Interfaces:

- Hardware:
- 2* MCU Boards
- 4* User board Slots, E1/T1, FXS,
- FXO boards optional
- FXS Board: 2* RJ45 with 8 FXS
- FXO Board: 2* RJ45 with 8 FXO
- E1/T1 Board: 4* E1/T1 Ports
- MCU Board
- 2*100/1000M, Base-T, RJ45
- 1* USB 2.0
- 1* Console por

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

PSTN:

- 4* E1/T1 Ports at max
- Interface: RJ48 (120Ohm)
- ISDN PRI:
- 23B+D(T1),30B+D(E1),NT or TE
- ITU-T Q.921, ITU-T Q.931, Q.Sig
- Signal 7/SS7:
- ITU-T, ANSI, ITU-CHINA
- MTP1/MTP2/MTP3, TUP/ISUP
- R2 MFC

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

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:

- 1+1 Power Supply, 100-240VAC,
- 50-60 Hz
- Power Consumption: 50W
- Operating Temperature. 0 ℃ ~ 45 ℃
- Storage Temperature: -20 ℃ ~80 ℃
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H):
- 437✗345✗49mm
- Unit Weight: 5.7 kg

Ordering information:

Vendor code	Description
LVX-1000	IP PBX LVX-1000

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