

VL Series IP-PBX for SOHO

VL1010

- Handheld Size IP-PBX with Outstanding Voice Quality
- Compatible with Most SIPv2 Supporting IP-Phones
- User Selectable Outbound Call Service
- PSTN Backup in case of VoIP Service Failure



VL1010 is a compact IP-PBX for home offices and tele-workers. With one PSTN line and Internet access, you can attach one analog phone and several IP-Phones or PC Soft-Phones. Total 10 subscribers can fully enjoy IP-PBX functionalities. In addition, with Call Forwarding and Remote Office features, you can receive and make call as if you are working in your own office while working outside. By plugging it into existing IP network and registering with VoIP services, VL1010 gives you ways to reduce PSTN call charges and in addition, you will be able to enjoy innovative features such as Voicemail to e-mail, IVR, Conference, and more. It also provides PSTN backup feature for seamless communication in case of VoIP service failure or unexpected Internet disconnection.

VL1010

10 Subscribers

2 Concurrent Calls

1FXS / 1FXO

- Supporting SIPv2
- Handles up to 2 Concurrent Calls
- Incoming Call Policy
- Music on Hold & IVR
- Easy Migration to VoIP

Benefits

▪ Cost Effectiveness

VL1010 supports up to 10 extensions and 2 concurrent calls for home offices and tele-workers. Also, the small IP-PBX can be installed with existing analog phone and any SIP based IP-Phone or PC Soft-Phone. Therefore, you can dramatically reduce PSTN communication cost by using VoIP service.

▪ Complied with VoIP Standard Protocol

VL1010 supports the standard SIP(RFC3261), which is the most popular IP Telephony signaling protocol adopted by ITSPs(Internet Telephony Service Providers) and IP-PBX systems. Thus, it can easily interoperate with various SIP based IP-Phones or PC Soft-Phones.

▪ CID for VoIP Service and CTI Application

VL1010 includes independent resources for FXO connection. Inbound calls from PSTN can be forwarded or transferred via VOIP service. Also, CID information between FXO and FXS can be used for CTI(Computer Telephony Integration) application.

▪ Easy Management

VL1010 provides innovative configuration and management tool including IPv6 Auto-Provisioning and user friendly Web UI. A lot of time and effort can be saved during installation. It makes system configuration so easy that you can configure the system even if you are not a network professional.

▪ Reliable System Operation with PSTN Backup

VL1010 has an auto re-routing feature that you can reach out via PSTN when IP network or VoIP service is unavailable. Furthermore, when the power is not supplied to VL1010, analog phone interconnected with FXS port can still be used with PSTN line on FXO port. Thereby you can always utilize it without worrying about any discontinuance.



SIP based SOHO IP-PBX

Specification

Basic PBX Features

- Call Hold/Unhold
- Call Transfer (Blind/Attended)
- Call Forwarding (Always/Busy/No-Answer/Error/Time-Based)
- Call Pickup (Direct/Group)
- Call Park/Unpark
- Intercom (Direct/Group)
- Threeway Call
- Music on Hold
- Music on Ringback
- Group Ringing (Hunt/Circular-Hunt/Ring-All/Random)
- Distinctive Ringing
- DTMF Relay (in-audio/rfc2833/SIP Info)
- Flexible Dialplan
- SIP Trunking
- DID/DOD
- FXO backup (in case VSP is unavailable)
- Call Screening
- DND
- Virtual Caller ID
- Anonymous Caller ID
- Phonebook

Advanced PBX Features

- Voicemail (with e-mail forwarding)
- Message Waiting Indication
- IVR
- Conference
- Call Recording
- RAA
- Feature Code
- BLF
- PBX-to-PBX interoperability

SIP

- SIP Basic (RFC 3261)
- Reliability of Provisional Responses (RFC 3262)
- An Offer/Answer Model with SDP (RFC 3264)
- Event Notification (RFC 3265)
- Asserted Identity within Trusted Networks (RFC 3325)
- Instant Messaging (RFC 3428)
- Message Waiting Indication (RFC 3842)
- Presence (RFC 3856)
- Session Timers (RFC 4028)
- INFO Method (RFC 2976)

Codecs

- IP
 - + Voice
 - G.711 μ /A-Law
 - G.729 A/B (pass-thru only)
 - G.723.1 (pass-thru only)
 - + Video (pass-thru only)
 - H.263
 - H.264
 - MPEG-4 SP/ASP
- Analog
 - + Voice
 - G.711 μ /A-Law
 - G.729 A/B
 - G.723.1

FXO

- LEC (G.168)
- Caller ID Detection
- Call Progress Tone Detection
- DTMF Generation & Detection
- VAD/CNG
- Packet Loss Concealment
- Adaptive Jitter Buffer
- Dynamic Payload Support
- Adjustable Audio Frames per Packet

FXS

- Battery Feeding for Analog Telephone
- Ringing Signal up to 3 LEN
- Type I/II FSK Caller ID Generation & Detection
- Call Progress Tone Generation
- DTMF Generation & Detection
- VAD/CNG
- Configurable Tip/Ring impedance
- Hook Flash Signaling

Management

- System Configuration via WEB Manager
- Multi Language Support (Korean/English/Turkish)
- Password Protection
- Configuration Backup/Restore thru WEB/FTP
- S/W Upgrade from Remote Place
- Direct Phone Management thru WEB
- IP-Phone Auto Provision
- Event Log
- Call Log
- CDR
- SNMPv2

H/W

- CPU: Embedded Network Processor
- Memory: 128MByte DDR - SDRAM
- Storage: 256MByte Flash Disk

Network Interfaces

- Ethernet: 2 Ports (100Mbps)
- PSTN: 1 Port
- Analog Telephone Interface: 1 Port

Other Interfaces

- LED Status Indicators
- DC 12V Power Connector
- Restore Factory Defaults Button

Power Consumption

- Max. Operational Power Consumption: 20 W

Physical

- Dimensions: 135(W) x 100(D) x 35(H) mm
- Weight: 190g (without Power Adaptor)

System Capacity

- Max. Extensions: 10 Subscribers
- CDR Database: up to 20MByte records

Ethernet Interfaces

- WAN/LAN: 100Base-TX complying IEEE 802.3 Standards supports Auto-Negotiation
- RJ45 Connector: Ethernet packets over CAT5-UTP cable

PSTN Interface

- 2 Pin(Tip-Ring) RJ11 Connector for each PSTN port
- Up to 1KV Line Isolation and Surge Protection
- TX power of up to +10 dBm into 600Ohm
- Ringing Detection
- CID Monitoring and Detection
- Parallel Phone Detection

Environmental

- Operating Temperature: 0°C ~ 50°C
- Operating Humidity: 20% ~ 80% RH
- Storage Temperature: -20°C ~ 60°C
- Storage Humidity: 20% ~ 95% RH

Application Diagram

VL1010

