

VoIP SIP IP PBX w/ 4-Port FXO

Product Overview

The LevelOne VOI-9300 is a feature rich SIP IP PBX offering PBX services and VoIP telephony management in one device. It can support a telephone network of up to 100 extensions making 30 simultaneous calls. The VOI-9300 features, an Interactive Voice Response system (IVR), 4-FXO ports for PSTN connectivity, Call Detail Recording (CDR), secured VPN server, a built-in Voice Mail server as well as all class 5 traditional PBX functions.

The PBX for a Global Virtual Office

The LevelOne VOI-9300 SIP IP PBX is central VoIP Server and management point for deploying a cost-effective IP-based office phone network for either a global virtual office or small-to-medium business companies. It offers complete and easy integration with PSTN and current office networks while providing manageability of both legacy and IP networks to facilitate administration locally or remotely.

The VOI-9300 allows for typical single-site or diverse multi-site configuration between different office locations. The IP PBX combines the intranet data network with an ADSL/Cable connection to make calls over the Internet through PSTN subscription network via 4-FXO ports. This feature allows the VOI-9300 to combine PSTN networks and data networks into a single manageable and converged network for a comprehensive total call management solution.

Built-in Suite of PBX and Voice Applications

The LevelOne VOI-9300 provides call control and media relay services to SIP clients, while featuring a built-in suite of PBX and voice applications for cost-effective supplementary services.

The IP PBX provides SIP Registrar, SIP Outbound Proxy with media relay, SIP Gateway (FXO) and SIP PBX functions for extension calling and forwarding. The VOI-9300 features an auto attendant Interactive Voice Response (IVR) system, IVR Voice Mail and Meet-Me Conferencing voice applications.

Advance Features

Among the advanced features of the VOI-9300 are flexible Queuing Settings and Call Record Query.

Waiting queues can be configured with the Web browse interface to allow incoming calls to be assigned based on rules of each extension number. The IP PBX provides 4 call waiting queue configurations.

The VOI-9300 IP PBX store call records for 2 months that are retrievable by individual extension number or collectively. The VOI-9300 features a USB port for exporting this information onto a portable USB interface storage devices.

User Friendly Web Based Management

The VOI-9300 IP PBX is monitored and managed locally or remotely managed over the Internet. Fault monitoring, performance management, configuration, new extension registration and changes to current settings are all controlled locally or remotely via a user friendly web-based user interface.



VOI-9300

Key Features

- Advanced telephony management and feature rich IP PBX solution
- Supports 100 extensions, 100 voicemail accounts, 30 concurrent calls
- Features a Web-Calling feature for online interactivity
- Provides a VPN Server for secured connectivity
- Built-in FXO and FXS ports for PSTN connection
- Supports ITU-T G.711a/u, GSM/MS-GSM, G.729A/B, VAD and CNG speech codec
- Features a powerful interactive voice response feature and Voice Message Recording Features a built-in SIP proxy register server
- Provides Call Detail Record (CDR)
- Easy configuration via Web-browser

Technical Specification

Hardware Specifications

Interface Connectors

- 1x WAN port (RJ-45)
- 1x LAN port (RJ-45)
- 4x FXO ports
- 1x PSTN Life Line
- 1x USB2.0 port

LED Indicators

- Power, Activity, Alarm, VPN
- FXO 1, 2, 3, 4
- LAN Activity, WAN Activity

Maximum Capacity

- 100 extension registrations
- 100 voicemail accounts
- 30 concurrent calls with RTP

Standard Compliance

Speech Codec Support

- G.711, G.729A/B, VAD, CNG,
- GSM/MS-GSM, Speex,

VoIP Protocol

IETF RFC3261 and RFC 2543 for SIP

SIP Authentication

IETF RFC2069 and RFC 2617 for MD5

Echo Canceller

G.165, G.168-2002 compliant with programmable echo tail of up to 128ms

Caller ID Support

Bellcore and ESTI (On hook and off hook service)

LevelOne VoIP Product Integration

VoIP Phones

VOI-7000, VOI-7100, VOI-7010, VOI-7011

VoIP Gateways

VOI-800x Series Gateways

Physical Specifications

Power

12V/1A DC Power Adaptor

Temperature

0°C~50°C

Humidity

0%~95% Non-Condensing

Certification

FCC
CE

IP PBX Features

Supported Standards

RFC 3261, RFC 3311, RFC 3515, RFC 3265, RFC 3892, RFC 3361, RFC 3842, RFC 3389, RFC 3489, RFC 3428, RFC 2327, RFC 2833 RFC 2976, RFC 3263, RFC 3264

Network Management

- DHCP/PPPoE/Static IP on WAN
- LAN IP and netmask specification
- Firewall on predefined services
- DNS and dynamic DNS
- IP Broadcasting

NAT

- Auto NAT discovery and traversal
- RTP proxy
- RTP port range designation

SIP Proxy

- Proxy server
- Call-based MD5 authentication
- NAT traversal for clients
- Outbound proxy with or without WAN
- Inter-proxy call hand-off

SIP Registrar

- Static/Dynamic registration
- MD5 authentication
- Registration proxy to external registrars
- Configurable PBX Caller ID
- User profile
- Handle loose RFC-compliant phones
- Resilient message retry mechanism
- Seeding historical registrations

Relational Provision

- Logical partition/relation on users and trunks
- Logical provision on outgoing and incoming calling search scopes
- Rich dial-plan expressiveness through route patterns
- Object-oriented provisioning paradigm

Administration

- Web-based configuration
- Flat Call Detail Record (CDR)
- Extension status display
- Network Time Protocol time synchronization
- Real Time Clock setting
- DHCP server
- Configurable time zone
- Firmware upgrade through Web interface

Auto Attendant

- Configurable Greeting
- Key to reach operator
- Timeout interval and timeout action
- Music on ringing extensions
- Forward to voice mail on no-answer

Voice Mail

- User PIN
- Multilingual
- Multi-folder archive
- Fast-forward/Rewind/ Undelete
- Personal reception on unavailability/busy
- Voicemail forwarding
- Reply call or new call in voicemail menu

PBX Features

- Support call hold, call waiting, 3-way call conference with feature phones
- Built-in in-line call transfer
- Unconditional, unavailable, busy, call forward
- Per-calling-number forward and rejection
- Group-based call pick-up
- Multi-room meet-me conference
- Auto-attendant
- Vice mail system
- Call privilege grouping
- FXO interface for PSTN
- Inbound/Outbound
- FXO disconnection tone detection
- FXO hunt group
- Caller ID detection
- Echo cancellation
- Support 5 SIP trunk
- In-band/RFC2833/SIP-INFO DTMF translation
- Intra-PBX stackable trucking over Ethernet
- FWD/Vonage account sharing for extensions
- Interoperable with Cisco Call Manager, CCME, IOS SIP gateway, Unity CUE, 79XX, ATA
- Call admission control for wired/wireless phones
- Music on hold
- Direct line
- Outbound 900/0204 blocking

Meet-me Conference

- Multiple rooms with configurable number and PIN
- Hot key to leave conference

Trunk

- Auto trunk selection
- Size specific trunk
- Call Barring
- Transit Call
- PSTN to remote site
- Direct outward dial

Internal Line

- Call pickup group
- Group hunting
- Hot Line
- Group Ringing

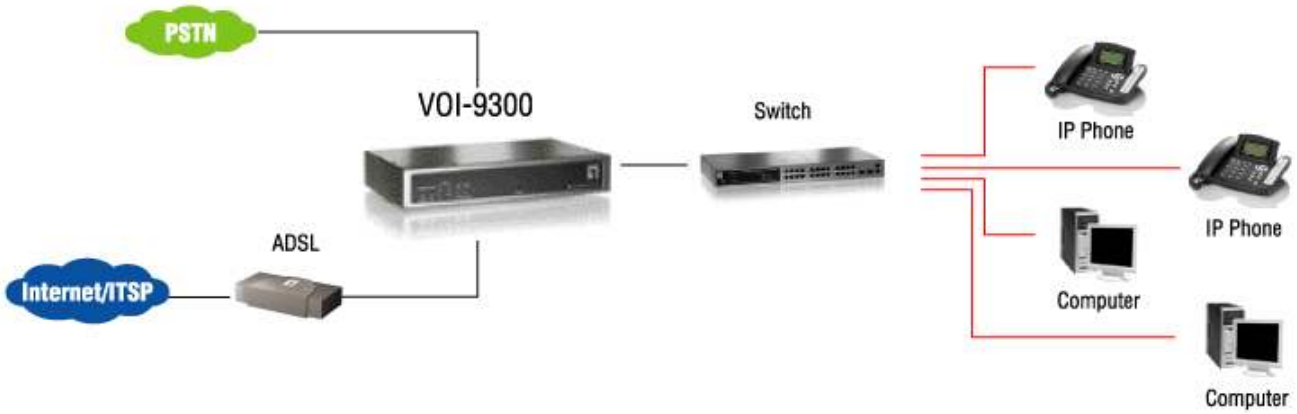
Extension

- Call Transfer
- Call Forward
- Forward Me
- Call Hold
- Call Park
- Do not disturb
- Call pickup
- Direct call pickup
- Conference call

System

- Music on Hold
- Call detail recording
- Built-in DISA
- Built-in dialer
- External Voice Mail
- Networking & Stackable
- Support private IP Network environment

Product Diagram



Order Information

VOI-9300: SIP IP PBX w/ 4-Port FXO

Package Content

1. VOI-9300
2. Power Adapter
3. Cat.5 Cable
4. CD Manual

For more information, please contact your LevelOne representative, or visit www.level1.com
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