

# DataSheet\_VOI-1110



## SIP 1 FXS IP-Sharing VoIP Gateway

**LevelOne's** VOI-1110 is a highly reliable analog Voice over IP device which is designed for SIP protocol compliance to provide high-quality telephone solutions using your existing broadband connections.

With the advanced technology, the VOI-1110 transforms toll quality voice data over IP networks while seamlessly connecting to your analog phone system. Regarding voice codec, VOI-1110 supports voice compression standards such as G.711, G.723, G.729 A/B and also G.168, Echo Cancellation. These functions minimize bandwidth requirements for voice transmission while still providing high quality voice reproduction.

VOI-1110 comes with 1 FXS interfaces which allow users to plan their connections direct phone-lines to phones PBX or facsimile facilities. The integrated IP-sharing functions which support PPPoE to simplify the network connections and DHCP to eliminate IP configurations. With the built-in web server, VOI-1110 is easy to setup and install with minimum configuration by Web-based configuration tools. Administrators can monitor device/network status or maintenance service through a general Internet browser. To keep up with future technology, software download and upgrades are easily done via network with our built-in TFTP and flash memory.

VOI-1110 is the ideal VoIP solution specifically targeted at Home users to reduce phone charges and create desired flexibility for users to enjoy the communication freedom.



**VOI-1110**

### Key Features

- 1 x FXS RJ-11 voice ports
- 2 x10/100 Mbps RJ-45 ports: 1xWAN; 1xLAN
- Integrated IP-Sharing router
- Supports SIP v2.0 (RFC3261) voice protocol
- Supports G.723.1 (6.3k/ 5.3k), G.711(A-law/  $\mu$ -law) and G.729A/B Voice Codec
- Supports G.168 Echo cancellation and Voice Activity Detection (VAD)
- Supports DTMF tone detection/Generation
- Built-in Web server for we-based configuration
- Remote software upgrade through TFTP

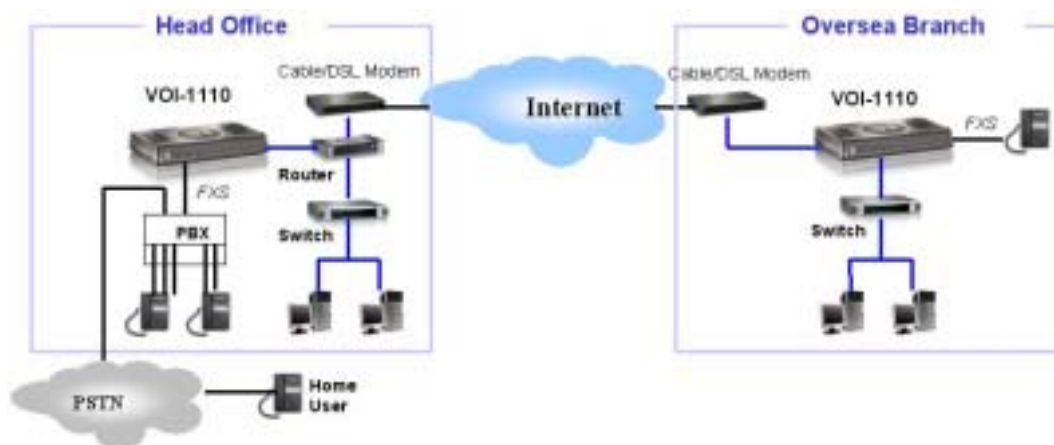
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## Technical Specification

- **Network Interface**
  - 1 x 10/100BaseTX RJ-45 LAN port
  - 1 x 10/100BaseTX RJ-45 WAN port
- **Telephone Interface**
  - 1 x FXS RJ-11 phone port connecting to regular phone
- **Control Processor**
  - CPU: MIPS-X5 unified RISC and DSP core
  - 384K bytes on-chip RAM
  - 16K byte unified cache
  - Flash Memory: 2MB
- **Voice Protocol**
  - SIP v2.0 (RFC 3261)
- **Voice Codecs**
  - G.711 (A-law/ $\mu$ -law), G.723.1 (6.3k/ 5.3k), G.729 A/B
- **Voice Processing**
  - Comfort Noise Generation (CNG)
  - Voice Activity Detection (VAD)
  - DTMF Detection/ Generation
  - User Programmable Call Progress Detection/ Generation
- **Voice Quality**
  - G.168, hybrid echo cancellation (16 ms),
  - Dynamic jitter buffers
- **Management Tools**
  - HTTP Server
  - TFTP and flash memory for remote software download and upgrade
- **Network Protocols**
  - PPPoE
  - DHCP Server and Client
- **LEDs**
  - Power
  - LAN
  - Phone
- **Power input**
  - AC-to-DC power adapter
  - 12VDC, 100-240VAC, 50/60 Hz
- **Temperature**
  - Operating: 0 ~50 (32 ~ 122 )
  - Storage: -10 ~60 (14 ~ 140 )
- **Humidity**
  - Operating: 10% ~ 95% (non-condensing)
- **Dimension**
  - 115mm(L) \* 85mm(W) \*30mm(H)
- **EMI and Safety**
  - FCC Part 15, CE

## Product Diagram



## Ordering Information

- VOI-1110: SIP 1 FXS IP-Sharing VoIP Gateway