

DataSheet_VOI-2110



SIP 2 FXS IP-Sharing VoIP Gateway

LevelOne's VOI-2110 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-2110 transforms toll quality voice data over IP networks while seamlessly connecting to your analog phone system. Regarding voice codec, VOI-2110 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. Furthermore, the device also utilizes FAX protocols T.38 to meet different VoIP application demands.

VOI-2110 comes with 2 FXS interfaces which allow users to plan their connections direct phone-lines to phones PBX or facsimile facilities. The integrated IP-sharing router simplifies the network connections. With the built-in web server, VOI-2110 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-2110 is the ideal VoIP solution specifically targeted at SOHO users or small and medium enterprise to reduce phone charges and create desired flexibility for users to enjoy the communication freedom.



VOI-2110

Key Features

- 2 x FXS RJ-11 voice ports
- 2 x 10/100 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/ μ -law) and G.729A/B Voice Codec
- T.38 real-time fax relay for interoperability among other VoIP facilities.
- Supports G.168 Echo cancellation and Voice Activity Detection (VAD)
- Supports DTMF tone detection/Generation
- Built-in Web server for web-based configuration
- Remote software upgrade through TFTP

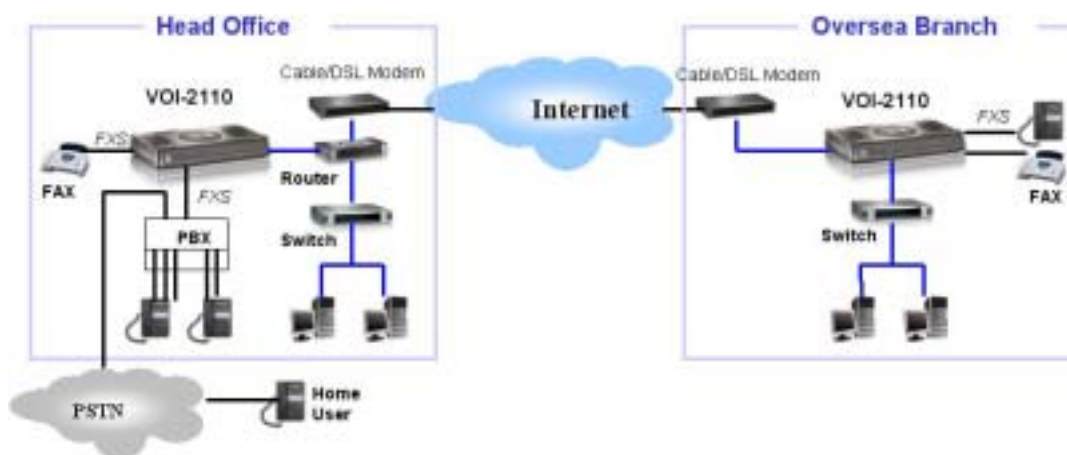
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Technical Specification

- **Network Interface**
 - 1 x 10/100BaseTX RJ-45 LAN port
 - 1 x 10/100BaseTX RJ-45 WAN port
- **Telephone Interface**
 - 2 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/ μ -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
- **FAX over IP**
 - T.38 facsimile protocol
 - Real-time FAX over IP
- **Management Tools**
 - HTTP Server
 - TFTP and flash memory for remote software download and upgrade
- **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-2110: SIP 2 FXS IP-Sharing VoIP Gateway