Datasheet_VOI-1000

H.323 1FXS w/ 1-port Ethernet VoIP Gateway

LevelOne's VOI-1000 is a single port VoIP telephone adapter which is the most cost-effective and highly reliable analog Voice over IP device. The VOI-1000 transforms toll quality voice data over IP networks and seamlessly connects to your analog phone system.

VOI-1000 adaptes the H.323 protocol to provide the advanced Internet telephony solutions and ensures the compatibility with most popular VoIP equipment. The device offers Comfort Noise Generation (CNG) at the receiving terminal so the user knows the line has not dropped. Regarding to the voice codec, VOI-1000 supports voice compression standards such as G.729 and G.711. These standards minimize the bandwidth requirement for voice transmission but still provide high quality voice reproduction. This system supported G.168, Echo Cancellation which is located in the 4-wire portion of the circuit used for echo reduction by digitally subtracting an estimated echo from the circuit echo.

The FXS interface allows VOI-1000 to connect directly to a phone, fax machine or PBX facilities. VOI-1000 is ready to setup and operate with the minimum configuration by key pad setting. The Plug-and-Play function achieves real hassle free installation by simply plugs VOI-1000 into your Ethernet network.

VOI-1000 is the ideal VoIP solution specally targeted at residential users, business travelers and SOHO users to reduce phone charges and create desired flexibility for users to enjoy the communication freedom.
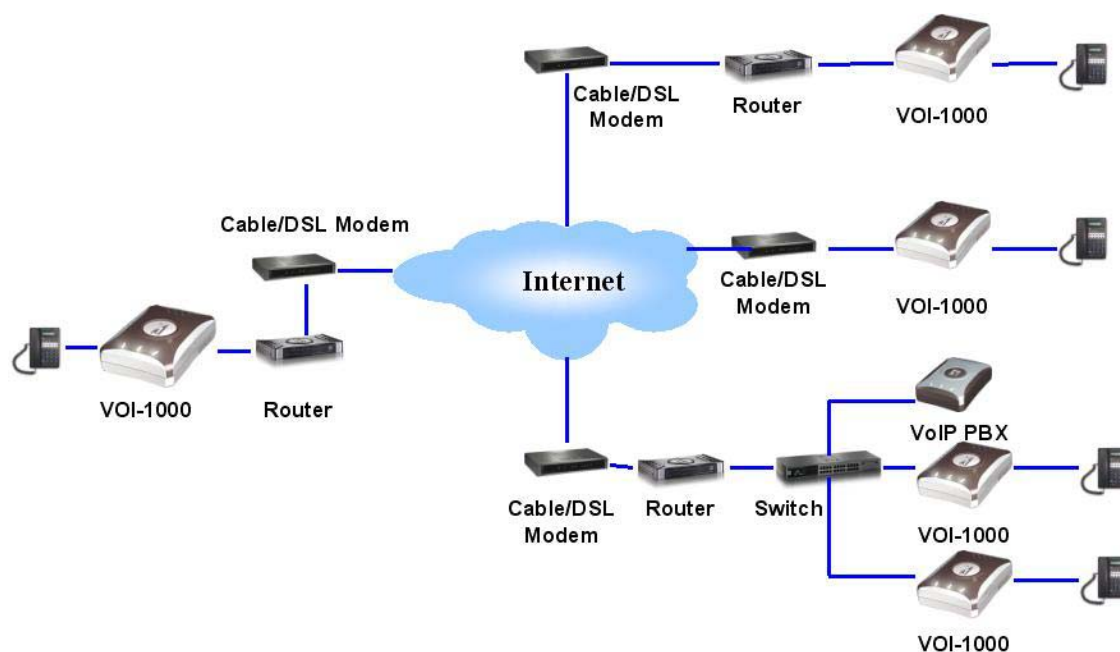
VOI-1000

Key Features

- Supports G.723.1 (6.3k/ 5.3k), G.711(A-law/U-law) Voice Codec
- Following H.323 version 3 standard
- Supports Telnet, TFTP and PPPoE protocols
- Remote software upgrade through TFTP
- Supports G.168 Echo cancellation

- Supports DTMF detection
- Cost-effective Solution
- Key Pad Setting
- Compatible with Gatekeepers and Hot-line mode
- Supports Plug-and-Play

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Technical Specification

- **Network Interface**
  1 x 10/100BaseT RJ-45 port

- **Telephone Interface**
  1 x FXS RJ-11 phone port connecting to regular phone

- **Dialling Method**
  DTMF

- **VoIP Standard**
  H.323 v3.0

- **Protocols**
  H.323, TFTP, PPPoE protocols

- **Bandwidth Management**
  G.723.1 (6.3k/ 5.3k), G.711 (A-law/U-law)

- **Voice Quality**
  G.168, adaptive echo cancellation,
  Dynamic jitter buffers

- **Voice Processing**
  Comfort Noise Generation (CNG)
  Voice Activity Detection (VAD)
  DTMF Generation/ Detection
  Call Progress Detection

- **Management Tools**
  Telnet Server
  Key Pad Setup
  TFTP and flash memory for remote software download and upgrade

- **LEDs**
  Power:
  LAN
  Phone:

- **Power Consumption**
  < 500mW

- **Power input**
  110V ~ 220V AC Adapter

- **Temperature**
  Operating: 0℃~40℃
  Storage: -10℃~65℃

- **Humidity**
  Operating: 5% ~ 95%

- **Dimension**
  115mm(L) * 85mm(W) *30mm(H)

- **EMI and Safety**
  FCC Class A, CE

Product Diagram

VOI-1000 Diagram

Ordering Information

- VOI-1000: H.323 1 FXS w/ 1-port Ethernet VOIP Gateway