

Datasheet_VOI-1020

H.323 1FXS w/ 2-port Ethernet VoIP Gateway

LevelOne's VOI-1020 is a single port VoIP telephone adapter which is the most cost-effective and highly reliable analog Voice over IP device. The VOI-1020 transforms toll quality voice data over IP networks and seamlessly connects to your analog phone system.

VOI-1020 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-1020 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 VOI-1020 is the ideal VoIP solution specially designed to interface with office environment. The built-in two RJ-45 Ethernet ports enables users simultaneously to place a call and connect workstations to the Internet. The FXS interface allows VOI-1020 to connect directly to a phone, fax machine or PBX facilities. VOI-1020 is readily to setup and operate with the minimum configuration by key pad setting. The Plug-and-Play function achieves hassle free installation by simply plugging VOI-1020 into your Ethernet network.



VOI-1020

Key Features

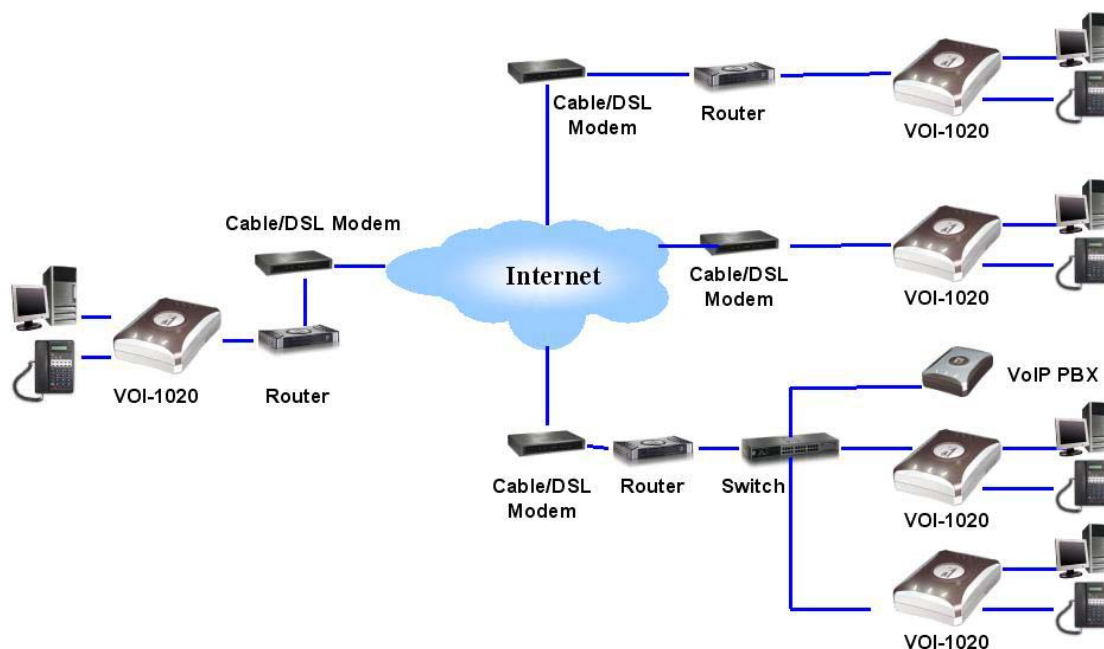
- 2 RJ-45 Ethernet port, 1 FXS Interface
- Supports G.723.1 (6.3k/ 5.3k), G.711(A-law/U-law) Voice Codec
- Following H.323 version 3 standard
- Supports Telnet, TFTP and PPPoE protocols
- Remote software upgrade through TFTP
- Supports G.168 Echo cancellation,
- Supports DTMF detection
- Cost-effective Solution
- Key Pad Setting
- Compatible with Gatekeepers and Hot-line mode
- Supports Plug-and-Play

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Technical Specification

- **Network Interface**
2 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°C ~ 40°C
Storage: -10°C ~ 65°C
- **Humidity**
Operating: 5% ~ 95%
- **Dimension**
115mm(L) * 85mm(W) * 30mm(H)
- **EMI and Safety**
FCC, CE

Product Diagram



VOI-1020 Diagram

Ordering Information

- VOI-1020: H.323 1 FXS w/ 2-port Ethernet VOIP Gateway