SIP Phone with PoE Capability

A feature rich VoIP IP Phone that incorporates SIP and PoE capability for a true networking connected VoIP experience

SIP Enabled for improved VoIP

The LevelOne VOI-7100 SIP IP VoIP Phone is the first SIP phone to the VoIP market. SIP is what experts in the VoIP industry calls "the dial tone of the 21st Century". If you think that current VoIP phones and technology is all what it takes to safe money on monthly telephone bills, think again.

Levelone has released the VOI-7100 in the wake of the more increased useage of SIP technology worldwide that is giving mobility an entirely new meaning. The VOI-7100 has all the features of a normal VoIP phone but with more functionality where different media can now be transferred in one session at the same time while the added PoE capability means that the phone can be installed on a LAN network that has either a PoE injector or a PoE switch connected.

Digital Telphony in one device

Although telephony has gone digital, the phone instrument looks the same with the same functionality of traditional phones. The VOI-7100 from LevelOne is a feature-rich yet cost competitive with high qaulity voice, speakerphone and a 2x16 LCD screen that displays caller ID, number dialed, speed dial entries.

The screen also is useful when setting up your SIP Account as well as connecting to the Internet. The keypad also doubles as an input device to set up your SIP account and to connect to the Internet. Alternatively configuration can be done from a web browser like Internet Explorer. The numeric pad is tone activated so you can use it with telephone services that incorporates interactive telehony systems. Other traditional phone functions incorporated are volume adjustment, 10 button speed dial, phone book setup and programming, redail, call hold, call wait and forwarding.

VOI-7100

Simplicity in one device

The VOI-7100 from LevelOne is installed to an IP network by plugging the network Cat.5 cable directly from your ADLS router or switch to the RJ-45 Ethernet plug on the phone and another Cat.5 extension cable to your computer or notebook. Instant connectivity is realized when conencted to the Internet and if you are signed up with a VoIP or SIP service provider. Since voice data is digitalize a set of important Codec are needed. The VOI-7100 incorporates several important and widely used Codec to assure compatibility with all SIP and VoIP service providers. Also this SIP phone allows for 3 different SIP accounts (IP telephone numbers) to be used from a single phone. The QoS (Quality of Service) function of the LevelOne VOI-7100 SIP VoIP IP Phone ensures that voice data transferred is assigned a higher priority over other data packets. This ensures that clear communication is possible at all times regardless of the LAN load.

As VoIP is more entering daily use, security is needed to counter any attempts to enter the LAN from outside the network. The VOI-7100 further incorporates an HTTP1.1 basic authentication for web setup and MD5 for SIP authentication.

From one phone to a phone network

The VOI-7100 is a great stand alone VoIP SIP phone, but combined with other phones in a network by using an IP PBX at different branch offices and gateways to connect the digital IP network with traditional analogue phone systems, enables significant cost savings when making international or long distance phone calls.

Also, by using LevelOne IP PBX systems, it is possible to assign extension numbers to a large phone group that will always be in touch regardless of their location. By making use of mobile devices, such as Wifi enabled mobile phones and PDA's it is now possible to reach users world-wide, provided they are in a Wifi coverage area such as a hot spot.

Key Features

- Traditional Phone for digital use
- User friendly and packed with PoE, VoIP and SIP features
- Cost Effective telephony for long and short distance calls for home, business and enterprise users.

- Register up to 3 different telephone number
- Enhanced Security features to protect Local Area Networks
- Plug-and-Play enabled with easy set-up with keypad

Technical Specification

Hardware Specification
- **Connection Ports**
  Dual RJ-45 10/100Mbps Ethernet Ports
- **Handset Port**
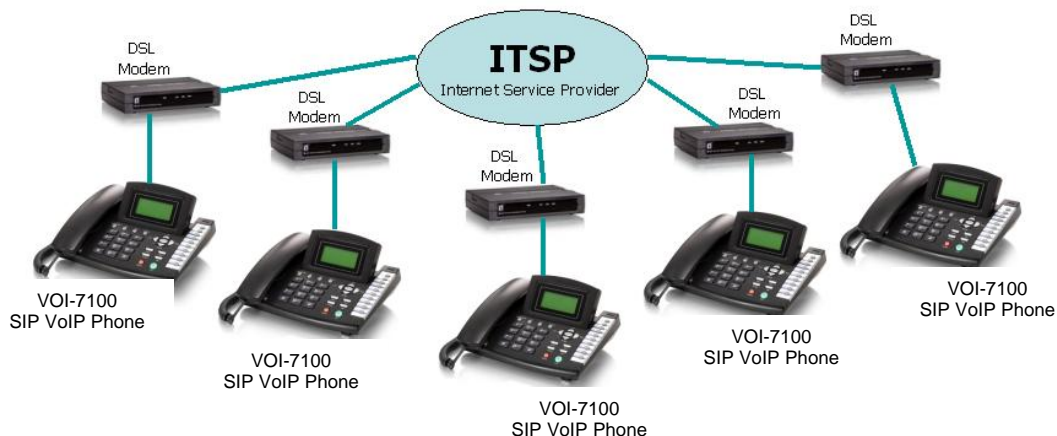 RJ-11 port
- **Memory**
  Flash: 2MB
  SDRAM: 8MB

Physical Spec.
- **Power**
  Power Input: DC 9V power adapter
  Power over Ethernet (PoE) enabled
- **Display**
  2x16 LCD Display
- **Keypad**
  12 button numeric keypad
  9 fixed function buttons
- **Temperature**
  Operation: 0℃~+40℃
  Storage: 0℃~+70℃
- **Humidity**
  10%~95%(non-condensing)

Software Features
- **Network Protocol**
  SIP v1/v2
  IP/TCP/UDP/RTP/RTCP
  IP/ICMP/ARP/RARP/SNTP
  TFTP Client/DHCP Client/PPPeE Client
  Telnet/HTTP Server
  DNS Client
- **Codec**
  G.711: 64kbps (PCM)
  G.723.1: 6.3kbps/5.3kbps
  G.726: 16/24/32/40kbps (ADPCM)
  G.729A: 8kbps (CS-ACELP)
  G.729B: adds VAD & CNG to G.729A
- **Voice Quality**
  VAD: Voice activity detection
  CNG: Comfortable noise generator
  LEC: Line echo canceller
  Packet Loss Compensation
  Adaptive Jitter Buffer
- **Security**
  HTTP1.1 authentication for Web setup
  MD5 for SIP authentication
- **QoS (Quality of Service)**
  ToS Field
- **Configuration**
  Web Browser
  Keypad
- **Multilingual GUI**
  Register Server (allows for 3 SIP Accounts)
  Outbound Proxy

Product Diagram

Ordering Information

- VOI-7100: VoIP SIP IP Phone with PoE capability

For more information, please contact your LevelOne representative, or visit our website
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