

## IP Phone

### Product Overview

The LevelOne VOI-7010 IP Phone allows for telephony via an IP network. It features conference calling, call waiting and forwarding, speed dialing, phone book and several other advanced office calling features. The VOI-7010 also supports SIP protocol for easy registration with Internet SIP providers.

### Office Calling Features

The VOI-7010 IP Phone supports speed dialing, call waiting and call transfer, 3-way conference calling, a 140 entry phone book, speaker phone and caller ID display. The LCD display displays caller ID, number dialed, speed dial entries and is useful when setting up a SIP account.

The IP Phone also supports IP PBX connectivity and incorporates voice messaging, call forwarding and conference calling when set-up with an IP PBX system. When coupled with the LevelOne VOI-9300 IP PBX, it further provides VPN PPTP Client support for establishing secured VoIP connections.

### Advanced Phone Features

The VOI-7010 supports G.711, G.723.1, G.726, G.729 and GSM codec algorithms. The IP Phone provides toll-quality audio and voice quality with support for VAD, CNG, LEC, Packet Loss Compensation and an Adaptive Jitter Buffer. It also provides HTTP 1.1 and MD5 SIP authentication security features.

### Configuration and Firmware Update

The VOI-7010 is easily configured through a Web browser, Console/Telnet and the keypad. The firmware is updated through TFTP, console, HTTP (Web browser), FTP and an auto firmware update feature.



**VOI-7010**

## Key Features

- IP Phone for connecting to IP Network
- SIP compliant with 3 SIP account registration support
- Cost effective VoIP IP Phone for home and business use
- Features traditional office phone features
- Provides IP PBX support for full office phone network setup
- Provides VPN support
- Enhanced Security features to protect Local Area Networks
- Plug-and-Play enabled with easy set-up with keypad

## Technical Specification

### Network Interface

#### Connection Ports

LAN: RJ-45 10/100Mbps Ethernet Port  
WAN: RJ-45 10/100Mbps Ethernet Port

#### Handset Port

RJ-11 port

#### IP Assignment

Static IP  
DHCP  
PPPoE

### Software Features

#### Network Protocol

SIP v1, v2  
IP/TCP/UDP/RTP/RTCP  
IP/ICMP/ARP/RARP/SNTP  
TFTP Client/DHCP Client/PPPoE Client  
Telnet/HTTP Server  
DNS Client  
VLAN Setting  
DMZ Setting  
Virtual Server  
MAC Clone Setting

#### 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

#### QoS (Quality of Service)

ToS Field

#### NAT Traversal

STUN

#### SIP Server

Register Server (allows for 3 SIP Accounts)  
Outbound Proxy

#### Configuration

Web Browser  
Console/Telnet  
Keypad

#### Security

HTTP1.1 authentication for Web setup  
MD5 for SIP authentication

### Phone Features and Specification

#### Call Function

Call Hold  
Call Waiting  
Call Forwarding  
Caller ID  
3-way conference calling

#### DTMF Function

In-Band DTMF  
Out-of Band DTMF  
SIP Info

#### Phone Function

Speed Dial  
Phone Book  
Flash  
Speaker Phone  
CPC (Caller Party Control)

#### Tone

Ring Tone  
Ring Back Tone  
Dial Tone  
Busy Tone  
User programmable tone

### Firmware Upgrade

TFTP  
Console  
HTTP  
FTP  
Auto Firmware update utility

### Physical Specification

#### Power

Power Input: 100-240V DC 12V power adapter  
(EU, US, UK, AU power adapters)

#### Display

2x16 LCD Display

#### Keypad

12 button numeric keypad  
26 fixed function buttons

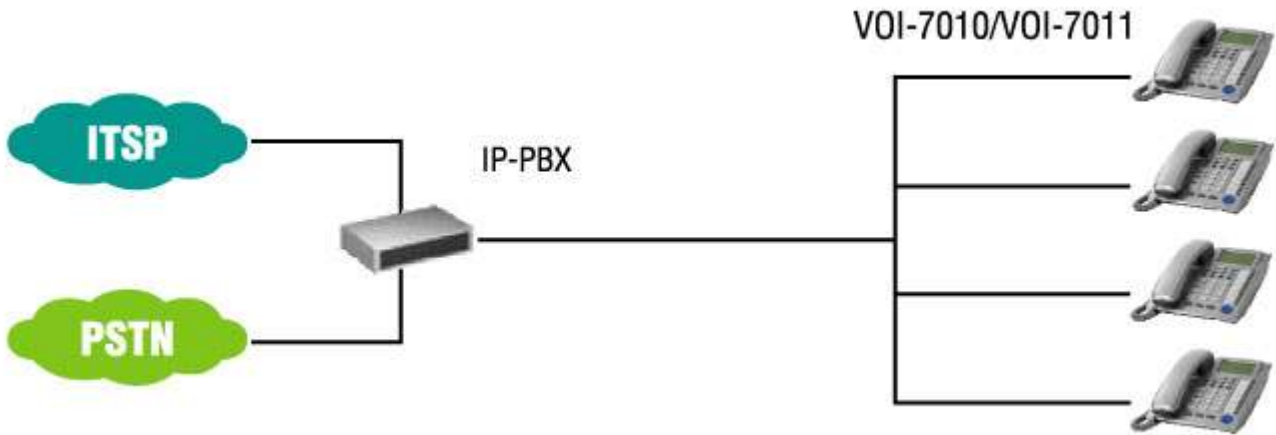
#### Temperature

Operation: 0°C ~ 40°C  
Storage: -10°C ~ 50°C  
Humidity: 10%~95%(non-condensing)

### Certification

FCC  
CE  
LVD

### Product Diagram



### Ordering Information

- VOI-7010:** IP Phone
- DHM-1000:** Headset for VOI-7010/7011

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