

# *Specification of IP350*

## *V1.3*

### **Revision Record**

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Content</b>
V1.2	2010-12-18	Anne	Revise Firmware and Hardware features
V1.4	2011-4-2	Anne	

# 2 Lines IP SIP Phone (IP350)

The Intelligent Communication Device for Next Generation Network

## Specification

<b>VoIP SoC</b>	<ul style="list-style-type: none"> <li>■ CPU Core: MIPS24KEc(360M)</li> </ul>
<b>Flash</b>	<ul style="list-style-type: none"> <li>■ 8MBytes Flash</li> </ul>
<b>RAM</b>	<ul style="list-style-type: none"> <li>■ 16MBytes SDRAM</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>■ 128×64 Graphic LCD with white back light</li> </ul>
<b>Phone Keys</b>	<ul style="list-style-type: none"> <li>■ Phone book, Call log, MSG, Pick Up, Delete</li> <li>■ Mute,3-way Call, Transfer, DND</li> <li>■ Hold, Redial, Speaker</li> <li>■ Menu, Enter, Cancel, Line Switcher, Vol+/Up, Vol-/Down</li> <li>■ 12 Dialing Buttons (0~9, *, #),</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>■ AC/DC Adapter                             <ul style="list-style-type: none"> <li>◇ AC Input: 100~240V, 50~60Hz</li> <li>◇ DC Output: 5V, 1A</li> </ul> </li> <li>■ IEEE802.3af PoE in WAN port (for IP350P only)</li> </ul>
<b>I/O Interfaces</b>	<ul style="list-style-type: none"> <li>■ 2 RJ-45 for 10/100 Ethernet Ports that can be configured as either switched or routed ports</li> <li>■ Full duplex hands-free speaker phone</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>■ Operation Temperature: 0~50 Degree C</li> <li>■ Storage Temperature: -25~ 85 Degree C</li> <li>■ Relative Humidity: 10%~90% No Condensing</li> <li>■ Shock: Up to 75cm (30 inches) Drop upon Package</li> </ul>
<b>Audio Codec</b>	<ul style="list-style-type: none"> <li>■ G.711 (A-Law, μ-Law)</li> <li>■ G.729A/AB</li> <li>■ Adaptive Jitter Buffer Management</li> <li>■ Voice Activity Detection</li> <li>■ Comfort Noise Generation</li> <li>■ Echo Cancellation</li> </ul>
<b>Protocols</b>	<ul style="list-style-type: none"> <li>■ SIP V2 (RFC 3261,3262,3263,3264)</li> <li>■ Backward Compatible with RFC2543</li> <li>■ Session Timer (RFC4028)</li> <li>■ SDP (RFC2327)</li> <li>■ RTP/RTCP (RFC1889 and RFC1890)</li> <li>■ NAPTR for SIP URI Lookup (RFC2915)</li> <li>■ STUN (RFC 3489)</li> <li>■ ARP/RARP (RFC 826/903)</li> <li>■ SNTP (RFC 2030)</li> <li>■ DHCP</li> <li>■ HTTP Server for Web Management</li> <li>■ TFTP/HTTP/HTTPS for Auto Provisioning</li> <li>■ Message Waiting Indicator (RFC3842)</li> <li>■ DNS/DNS SRV (RFC1706 and RFC 2782)</li> <li>■ IEEE802.1Q VLAN/802.1p and IP TOS</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>■ SMS Functions</li> <li>■ MAC Address cloning</li> <li>■ SIP proxy redundancy                             <ul style="list-style-type: none"> <li>- dynamic via DNS SRV, A records</li> </ul> </li> <li>■ Direct IP to IP calling</li> <li>■ NAT Traversal by STUN</li> <li>■ Built-in NAT Router</li> <li>■ QoS with Layer 2 and Layer 3</li> <li>■ DHCP Server and Client</li> <li>■ IP conflict detection</li> <li>■ Support PoE comply with IEEE802.3af(optional)</li> </ul>



<b>Management</b>	<ul style="list-style-type: none"> <li>■ Firmware Upgradeable</li> <li>■ Web Management Interface</li> <li>■ Local and Remote Syslog (RFC3164)</li> <li>■ Auto Provisioning</li> <li>■ SNTP Time Synchronization</li> <li>■ Multi User Level</li> <li>■ SNMPv2</li> </ul>
<b>Call Features</b>	<ul style="list-style-type: none"> <li>■ 3-way Conference</li> <li>■ Music on hold</li> <li>■ Call Hold</li> <li>■ Call Forwarding</li> <li>■ Call Mute</li> <li>■ Call Transfer</li> <li>■ Call Waiting</li> <li>■ Caller ID</li> <li>■ DTMF Relay:                             <ul style="list-style-type: none"> <li>- In-band, Out-band(RFC2833)</li> <li>- SIP INFO</li> </ul> </li> <li>■ Full-duplex Speakerphone</li> <li>■ Hotline</li> <li>■ Redial</li> <li>■ Speed Dial</li> <li>■ Dial Plan</li> <li>■ Phonebook</li> <li>■ 2 lines</li> <li>■ MWI</li> <li>■ Call log</li> <li>■ DND</li> <li>■ Volume Adjustment</li> <li>- Handset/Headset, Speaker and Ringer</li> </ul>
<b>Phone feature</b>	<ul style="list-style-type: none"> <li>■ Customized Ring Tone</li> <li>■ SMS (100 records)</li> <li>■ Call History ( 100 records )</li> <li>- Most Recently Missed Calls</li> <li>- Most Recently Received Calls</li> <li>- Most Recently Dialed Numbers</li> <li>■ Phone book ( 500 records )</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>■ (L) 220 x (W) 180 x (H) 90 mm</li> <li>■ 765 g ( without package)</li> </ul>