

# *Specification of WF400*

## *V1.2*

### **Revision Record**

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Content</b>
V1.1	2011-4-1	Anne	
V1.2	2011-4-2	Anne	

# Wi-Fi SIP Phone (WF400)

The Intelligent Communication Device for Next Generation Network

## Specification

<b>VoIP SoC</b>	<ul style="list-style-type: none"> <li>■ CPU Core: ARM926E@300MHz</li> </ul>
<b>Flash</b>	<ul style="list-style-type: none"> <li>■ 64Mbytes NAND Flash</li> </ul>
<b>RAM</b>	<ul style="list-style-type: none"> <li>■ 32MBytes SDRAM</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>■ 65K TFT Color LCD</li> <li>■ 128×160 Pixel</li> <li>■ Progressive back light</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>■ Charge Input: 100~240Vac, 7~63Hz</li> <li>■ Charge Output: 4.2Vdc, 720mA</li> <li>■ Battery: Li-ion 1300mAh</li> <li>■ Charge Time: 2 Hour</li> <li>■ Standard by: up to 72 hours (approx.)</li> <li>■ Talk time: up to 4 hours(approx.)</li> </ul>
<b>Handset Keys</b>	<ul style="list-style-type: none"> <li>■ Send,End,5-way navigation key, 4-soft keys</li> <li>■ Volume up/down side button</li> <li>■ Keypad 0~9,*,#</li> </ul>
<b>Wireless</b>	<ul style="list-style-type: none"> <li>■ IEEE802.11b/g supported</li> <li>■ Frequency band: 2.4G</li> <li>■ Output power: 15dBm(802.11b), 15dBm(802.11g at6~24Mbps)</li> <li>■ RX Sensitivity: -87dBm@11Mbit/sec, -74dBm@54Mbit/sec</li> <li>■ WEP,WPA/WPA2 supported</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) with PAMS above 4.3</li> <li>■ G.729A/AB with PAMS above 4.0</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 server and client</li> <li>■ HTTP Server for Web Management</li> <li>■ TFTP/HTTP for Auto Provisioning</li> <li>■ Message Waiting Indicator (RFC3842)</li> <li>■ DHCP Option Codes for SIP (RFC3361)</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>■ WMM™ for QoS</li> <li>■ SMS Functions</li> <li>■ SIP proxy redundancy: dynamic via DNS SRV, A records</li> <li>■ NAT Traversal: traversal by STUN</li> <li>■ Downloadable music ringing tones</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> <li>■ TR069</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: In-band, Out-band(RFC2833) and SIP INFO</li> <li>■ Full-duplex Speakerphone</li> <li>■ Hotline</li> <li>■ Redial</li> <li>■ Speed Dial</li> <li>■ Dial Rule</li> <li>■ Volume Adjustment</li> </ul> <p>- Handset/Headset, Speaker and Ringer</p>
<b>Phone feature</b>	<ul style="list-style-type: none"> <li>■ 40 Polyphonic MIDI Ring</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> <li>■ Speed Dial ( 99 records )</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>■ (L)140 x(W)50 x (H)27 mm</li> <li>■ 113g (without package)</li> </ul>