



**MOBILE  
DEVICES**

# **MD2100V + TITAN WiFi VOIP Phone Platform Cordless Type WiFi Phone**

**Ver 1.1**

MDV WiFi Solution

## Modification History

Revision	Date	Originator	Comment
1.0	2009/08/10	YW Hsu	First Issue
1.1	2011/10/31	Vivian Lee, Louis Lee	Update SW Features

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## 1. Product Outline

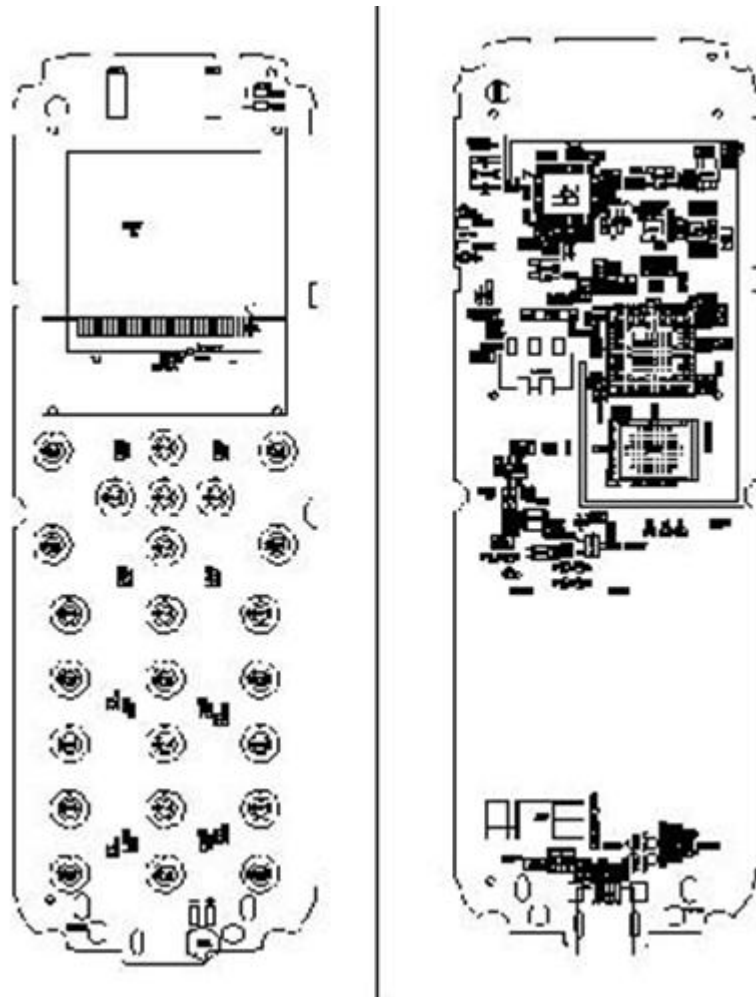
Items	Description	Remark
Type	Cordless	
Size	130 [H] x 48 [W] x 18 [T] mm	
Weight	110 g	
Display	1.44" LCD	
Antenna	Internal	



## 2. Hardware Specification

Items	Description	Remark
Operation mode	IEEE 802.11b / g	
PCB	4 Layers	
Chipset	MD2100V + TITAN	
Memory	NOR Flash: 64Mb, SRAM: 32Mb	
LCD	Type: 65K CSTN, Resolution: 128 x 128	
Keypad	24 Keys	
Side key	No Support	
T-card	No Support	
Microphone	4.0mm (Φ) x 1.5mm, sensitivity: -42dB	
Receiver	32Ω, rated sine power: 10mW	
Speaker	8Ω, rated sine power: 0.5W	
Earphone	No Support	
Vibrator	Support	
IO Connector	Standard 5 pin mini USB	
Charging Mode	CC mode, CV mode, Recharge mode	
Adapter	Input: 100 ~ 240VAC, 50 ~ 60Hz Output: 5V	
USB Charging	Support	
Battery Capacity	1000mAh	
Standby Time	160hrs	
Talk Time	6hrs	

Items	Description	Remark
TX power	IEEE 802.11b: typical 15dBm, maximum 17dBm IEEE 802.11g: typical 12dBm, maximum 15dBm	
RX sensitivity	IEEE 802.11b (11M): -83dBm IEEE 802.11g (54M): -68dBm	
Working range	Normal: 0°C ~ 35°C Extreme: 0°C ~ 55°C	



## 3. Software Feature

Items	Description	Remark
Call history	Dialed call, Missed call, Received call, Call duration	
Call features	Call hold, Call mute, Call waiting, Call transfer, Call forward, In-band / Out-of-band DTMF (RFC2833) / SIP INFO	Miss Call Indicator
Language	English / Simplified Chinese English / Traditional Chinese	
Hand-free mode	Support	
Phonebook	500 items, support speed dial and group	
Phone profile	5 sets	
SIP profile	4 sets	
NTP server	Support	
Ringtone	Support 64-chords polyphonic midi and MP3	
Wallpaper	Support JPEG and BMP format	
Icon indicators	WLAN status, SIP server status, battery level	
Organizer	Alarm, calendar, world clock, calculator	
My phone info	Phone number, firmware version, MAC address, WLAN / Network info	
MP3 player	Not support	
VoIP	IETF SIPv2 (RFC3261), SDP, support outbound proxy, MD5 for SIP authentication (RFC2069 / RFC2617)	Network & SIP Connection Status Show window
Protocols	TCP, UDP, IP, DHCP, RTP, RTCP, ICMP, HTTP, SNTP, TFTP, DNS, ARP/RARP	
IP setup	Static IP, DHCP	

Items	Description	Remark
Voice features	G.711 (a / u-law), G.729a / b, CNG, PLC, AEC, VAD, Adaptive jitter buffer	
WiFi security	Support WEP 64, WEP 128, WPA-PSK, WPA2-PSK (TKIP and AES), 802.1x	
Wireless features	Support: Layer 2 or Layer3 Roaming	
Configuration Method	Support Provisioning and Web-Config <ul style="list-style-type: none"> <li>- Firmware Upgrade</li> <li>- WiFi AP Configuration</li> <li>- SIP Profile Configuration</li> <li>- Phonebook Management</li> </ul>	



## 4. MMI Style

