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## **Product Specification of AGP-V900**



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## 1 Introduction

AGP-V900 works on GSM 900MHz / 1800MHz network, provides you clear conversation, high secrecy, low radiation voice service.

### 1.1 Main Features

- ◇ Call Waiting, Forwarding, 3-Way Calling
- ◇ Caller ID
- ◇ Voice Mail
- ◇ Two-Way SMS
- ◇ 200-Entry Contacts + Contacts in SIM
- ◇ 50-Items SMS + SMS in SIM (if used)
- ◇ Call History
- ◇ Alarm Clock
- ◇ Speed-Dialing
- ◇ Polyphonic Ring Tones
- ◇ Large 128x64 Dot-Matrix Graphic LCD
- ◇ LCD Backlight
- ◇ Speaker Phone

## 2 Specifications

### 2.1 Mechanical Specifications

The appearance of the AGP-V900 is as below. The size of this product is 175(L) x165(W) x38(H) mm.



Figure 1 AGP-V900 Appearance

The keypad definition is as below.

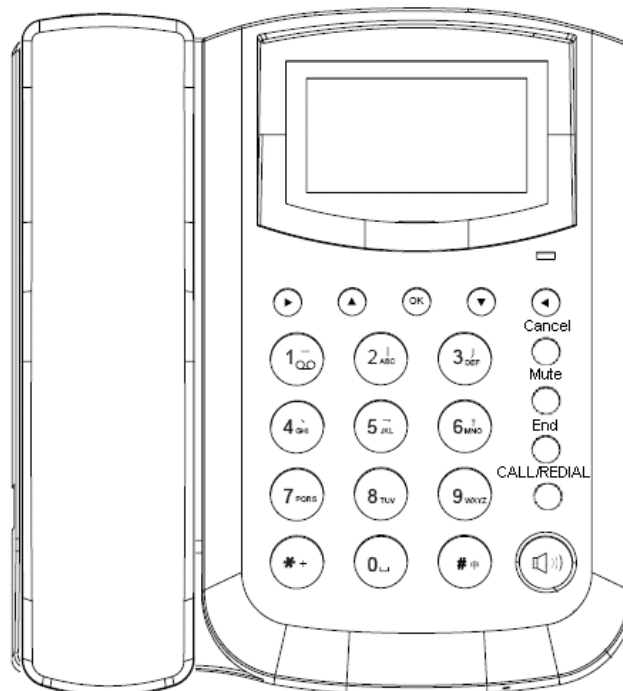


Figure 2 AGP-V900 Keypad Definition

## 2.2 Hardware Specifications

<b>Operating Frequency:</b>	
GSM band	RX: 925MHz to 960MHz TX: 880MHz to 915MHz
DCS band	RX: 1805MHz to 1880MHz TX: 1710MHz to 1785MHz
<b>RF Performance:</b>	
Maximum RF Output Power (W) GSM/ESGM	2W
Maximum RF Output Power (W) DCS/PCS	1W
Frequency Error GSM900/850	≤±90HZ
Frequency Error GSM1800/1900	≤±180Hz
Phase Error	RMS < 5°, PEAK Phase Error ≤20°
Power VS Time	In the Time mask for normal duration burst
Receiver Sensitivity	≤-102dBm (RBER ≤2.4 %)
<b>Environment Specification:</b>	
Operating Temperature	-10°C to 55°C
Storage Temperature	-30°C to 60°C
Operating Humidity	0~90%
Storage Humidity	5%~95%
<b>Electrical Specification:</b>	
Input Voltage	AC110V-220V to DC5.3V/0.8A
Line Frequency:	50/60Hz
Power Consumption at On-Hook	<0.3w
Power Consumption at Off-Hook	<0.3w
Built in Lightning protection	Yes
<b>Backup Battery:</b>	
Battery Type	1200mAh, Ni-MH battery
Battery stand by time	300 Hours
Battery Talk time	4.5 Hours
<b>External Antenna:</b>	
Antenna Type	TNC

**Table 1 Hardware Specifications of AGP-V900**



### 2.3 Software Specifications

<b>General Features:</b>	
Superior Voice Quality.	Built in echo cancellation
SMS Storage capacity.	50 SMS + SMS in SIM (if used)
SIM to FWP	Yes, According to customer's requirement
Duration display during call	Yes
Speaker volume control in hands free operation.	Yes
Alarm	Yes,
Call logs (dialed/received/missed) of 20 each.	Yes, Total 60.
Display	128 x 64 dots; 4 lines 16 characters per line
Main Chipset.	MTK6223
Language.	English, Chinese, Spanish, Vietnamese, others can be provide according to customer's requirement
Backlight Time	Yes
Display contrast adjustment	Yes
Network selection - Manual / Automatic	Yes
Power LED Indication	Yes
Mute facility	Yes
Programmable ring volume control.	Yes
Missed calls & incoming message indication on display	Yes
Automatic & Manual Network settings	Yes
Network service information.	Yes
SIM Tool Kit (STK) Functions	Yes
<b>Network Dependent Features:</b>	
Call Forwarding	Yes. N/W Dependent.
Call wait/call hold	Yes.
Call conferencing	Yes. N/W Dependent.
<b>Dialing:</b>	
DTMF Dialing.	Yes
Phone book capacity	100 + phone book in SIM
Key tone volume adjustments	Yes.
<b>Display:</b>	
Number of characters per line and number of lines:16*4	Yes
Key digit input display	Yes
Banner Display	Yes
Time Display (Date, Month, Year and Day of the week).	Yes
<b>Feature Indications:</b>	
RSSI Indication	Yes



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No Service/ Service Indication	Yes
Voice Message Indication	Yes
Power status indicator	Yes
Faulty alarm Indication	Yes
SMS Receive Indication	Yes
<b>Tone and Sound Generation:</b>	
Busy tone	Yes
Dial tone at Off hook	Yes
Ringer tone	Yes,13 tones
Polyphonic sound capability	Yes
Ring tone volume adjustments	Yes
SMS Receive Alert	Yes
Keypad tone	Yes

**Table 2 Software Specifications of AGP-V900**