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## **Product Specification of AGP-D800/D900**



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## 1 Introduction

AGP-D800 works on GSM 850MHz / 1900MHz network, AGP-D900 works on GSM 900MHz / 1800MHz network , both can provide 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
- ◇ 200-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 Appearance



Figure 1 AGP-D800/D900 Appearance

### 2.2 Keypad definition



Figure 2 AGP-D800/D900 keypad definition

### 2.3 Hardware Specifications

<b>Operating Frequency:</b>	
850/1900MHz band	GSM 850MHz Band RX: 869MHz to 894MHz TX: 824MHz to 849MHz
	PCS 1900MHz Band RX: 1930MHz to 1990MHz TX: 1850MHz to 1910MHz
900/1800MHz band	GSM 900MHz Band RX: 925MHz to 960MHz TX: 880MHz to 915MHz
	PCS 1800MHz 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>Chipset</b>	MTK 6223D
<b>Internal Memory</b>	32+16/64+32 (Optional)
<b>External Interface</b>	
USB port	USB 2.0
DC Connector	6.6V
Antenna	TNC(External)
Battery Connector	
In-Use indicator	
Power indicator	
R-UIM Card interface	Standard 6 pin
<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 DC 6.6V/0.8A
Line Frequency:	50/60Hz
Built in Lightning protection	Yes
Dimension	184mm*165mm*51mm
<b>Backup Battery:</b>	
Battery Type	1200mAh, Ni-MH battery
Battery stand by time	300 Hours
Battery Talk time	4.5 Hours

**Table 3 Hardware Specifications of AGP-D800/D900**

## 2.4 Software Specifications

<b>General Features</b>	
Superior Voice Quality.	Built in echo cancellation
SIM	Support SIM, No SIM
SMS Storage capacity.	200 SMS + SMS in SIM (if used)
Phone book capacity	200 + phone book in SIM
SIM to FWP	Yes, According to customer's requirement
Duration display during call	Yes
Speaker volume control in hands free operation.	Yes
Alarm	Yes
20 Call logs of each (dialed/received/missed).	Yes, total 60.
Display	128 x 64 dots; 4 lines 16 characters per line
Main Chipset.	MTK6223D
Language.	English, Chinese, Spanish, Vietnamese, others can be provided according to customer's requirement
Backlight Time	Yes
Display contrast adjustment	Yes
Network selection - Manual / Automatic	Yes
Power LED Indication	Yes
Mute	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
DTMF Dialing.	Yes
Key tone volume adjustments	Yes.
<b>Network Dependent Features</b>	
Call Forwarding	Yes. Network Dependent.
Call wait/call hold	Yes. Network Dependent.
Call conferencing	Yes. Network Dependent.
<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
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, 15 tones
Polyphonic sound capability	Yes
Ring tone volume adjustments	Yes
SMS Receive Alert	Yes
Keypad tone	Yes
<b>Lock function</b>	
Lock Cell	Support
Lock Operator	Support
Lock Pin / SIM Card	Support
Lock Keypad	Support

**Table 4 Software Specifications of AGP-D800/D900**

### **3 Reference technical standard**

- ✧ GSM with AMR/EFR/FR/HR and CSD
- ✧ GPRS with Class-12
- ✧ Mobile Station Class-B
- ✧ RF Tx Pwr: 2w (GSM/ESGM) / 1w (DCS/PCS)