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Product Specification

of AWP-V series

Model: AWP-V500 (SMS, Voice)

Model: AWP-V600 (SMS, Voice, Data)



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1. General Information

Chipset	VIA CBP5.1
Frequency	CDMA 450MHz Block A
Data Rate	153.6Kbps for AWP-V600 only
CDMA protocol	IS-95A/B,IS-2000
Voice coding	8Kevrc,13KQCELP
Display	128*64 Dot-Matrix Graphic LCD, with backlight
Memory	32M ROM, 8M RAM
Sound	32 Poly
Talk time/Standby time(1200mah)	3Hours/96Hours
Size	175(L)x165(W)x38(H) mm

2. Basic Functions

Item	Description	Remark
Calling	Make a call	Auto dial after 6 seconds
	Receive a call	
	Caller id display	
	Automatic Redial	
	Delay number send	
	Hand-free call	Auto dial after 6 seconds (can be turn off this function)
	Silent mode	
	Call History	Missed 10, Dialed: 10, Received 10
	Call forwarding	Network support required
SMS	Send message	Inbox: 100 Items
	Receive message	Outbox: 100 Items
Phone Book	Phone Book	200 Entries
Display	Signal indication	
	Battery state indication	
Volume	Ring volume is adjustable	
	Handset volume is adjustable	
	Alarm	
Keypad	DTMF Keypad	
	Speed dial	
Network Setting	Lock SID	
	Lock Base ID	
Language	Vietnamese, English	

3. RF

3.1 RF receiving

Frequency Range	462~468MHz
RX sensitivity	-104dBm (FER ≤ 0.5%)
Range of receiving signal	-104DBm~-25dBm(FER ≤ 0.5%)
Interference resistance	FER≤1.0% (-101dBm/BW, -30dBm@±900KHz)
Intermediation spurious response attenuation	FER≤1.0% (test1:-101dBm/BW, +900/+1700KHz、-43dBm)
	FER≤1.0% (test2:-101dBm/BW, 900/-1700KHz、-43dBm)
	FER≤1.0% (test3:-90dBm/BW, +900/+1700KHz、-32dBm)
	FER≤1.0% (test4:-90dBm/BW, -900/-1700KHz、-32dBm)
	FER≤1.0% (test5:-79dBm/BW, +900/+1700KHz、-32dBm)
Conducted spurious emission	<-81dBm/1MHz(462~468MHz)
	<-61dBm/1MHz(452~458MHz)
	<-47dBm/30KHz (other frequencies)

3.2 RF Transmitting:

Frequency range	452~458MHz
Max, power	23dBm~27dBm@-104dBm
Min output power	<-50dBm@-25dBm
Standby output power	<-61dBm
TX timing error	±1.0 μs
Wave form quality	>0.944
Open loop power	(test 1:-25dBm/1.23MHz)-57.5~-38.5dBm
	(test 2:-65dBm/1.23MHz)-17.5~+1.5dBm
	(test 3:-104dBm/1.23MHz)+18~+30dBm
Conducted spurious emission	-42dBc@ ±885kHz/30kHz
	-54dBc@ ±1980kHz/30kHz

3.3 Antenna

Frequency bandwidth	TX:450MHz~460MHz, RX:460MHz~470MHz,
Voltage standing wave ratio	<2.0:1
Gain	4dBi
Input resistance	50 Ω
Polarization form	Vertical polarization

4. Power Supply

Input Voltage

State	Typical voltage
Power supply by adapter	5.3V DC
Power supply by battery	3.6V DC

4.2 Power consumption

Item	Spec	Remark
Max . Power consumption	2.5W	
Typical power consumption	1.8W	Signal strength is -75dBm
Power consumption in idle mode	0.005W	Signal strength is -75dBm

5. Working Condition

Item	Spec
Working temperature	-20° C ~ + 60° C
Storage temperature	-30° C ~ + 70°
Humidity	5%-90%

6. Accessories

Power Adapter

Item		Technical Spec.
Type		Switching power supply
Input	Voltage	AC100~240V
	Frequency	50Hz~60Hz
	Max. input current	130mA
Efficiency		≥ 78%
Output	Voltage	5.3V DC
	Max. current	800 mA

6.2 Battery

Item	Technical Spec
Type	Ni Mh
Capacity	1200 mAh
Voltage	3.6V