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Product Specification of AWP-L series FWP

Model: AWP-L500 (Voice, SMS)
ModelL:AWP-L600 (Voice, SMS, Data)



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1 Introduction

Base on the CDMA 2000 1X RTT protocol and CDMA technology; AsiaTelco AWP-L Fixed Wireless Phones provide you clear conversation, high secrecy, low radiation voice service, high-speed packet data service, circuit data service, etc.

AsiaTelco AWP-L Fixed Wireless Phones involves six models of products. Table 1 describes the six models.

Model	Description
AWP-L500	Operates at 450MHz, SMS/Voice
AWP-L600	Operates at 450MHz, SMS/Voice/High-speed Packet Data Service

Table 1 Models of AWP-L Fixed Wireless Phones

2 Specifications

2.1 Main Features

- ◇ Support CDMA 2000 1X RTT standard,
- ◇ Support high-quality voice services (8 Kbps EVRC, 13Kbps QCELP);
- ◇ Support packet data services with a max. of transmission rate of 153.6Kbps in both uplink and downlink; (only for AWP-L200, AWP-L400, AWP-L600)
- ◇ Support circuit data service with a max. of transmission rate of 14.4kbps;
- ◇ Support PC fax services;
- ◇ Support emergency call services;
- ◇ FM Radio is optional
- ◇ Support Caller ID, Call Forwarding, Call Waiting and 3-way calling;
- ◇ Support RUIM and Non-RUIM;
- ◇ Provide standard TNC antenna connector that can be connected to the indoor and outdoor antennas;

2.2 Mechanical Specifications

The appearance of the AWP-L is as below



Figure 1 AWP-L Appearance

2.3 Hardware Specifications

Item	Description	
Technical Standard	CDMA 2000 1X RTT	
Frequency band	AWP-L500/L600 A/C/F	Block A: Uplink 452.5MHz to 457.5MHz; Downlink 462.5MHz to 467.5MHz
		Block C: Uplink 450.0MHz to 454.8MHz; Downlink 460.0MHz to 464.8MHz
		Block F: Uplink 479.0MHz to 483.5MHz; Downlink 489.0MHz to 493.5MHz
External interface	USB port: for data service and engineer maintain	
	Charger DC Socket	
	Power Switch	
	In-Use Indicator	
	Power Indicator	
	TNC Antenna Connector	
	Battery Connector	
Antenna	R-UIM card interface	
	AWP-L100/L200: Gain 2dBi	
	AWP-L300/L400: Gain 2dBi	
Maximum Transmit Power	AWP-L500/L600: Gain 4dBi	
Maximum Input Power	>=23dBm	
Receiving Sensibility	-25dBm	
Rechargeable Battery	-104dBm	
Charger	3.6V 1200mAh, Ni-MH (bundled 3 packed cells)	
Phone Dimensions	Linear power supply: Input: AC 90~240V, 50-60Hz Output: 5.3V, 500mA	
Base Dimensions	129x45x21mm	
Operation Temperature	87x85x75mm	
Storage Temperature	-10°C ~ 50°C	
Operation Humidity	-30°C ~ 70°C	
	5% ~ 95%	

Table 2 Hardware Specifications of AWP-L FWP

2.4 Software Specifications

Item	Description
Voice Service	8 Kbps EVRC, 13Kbps QCELP Vocodec
	Emergency Calls
	Caller ID, Call Forwarding, Call Waiting, 3-way Calling
Packet Data Service	Data rate up to 153.6Kbps/153.6Kbps (Uplink/Downlink)
Circuit Data Service	Max. Transmission Rate: 14.4Kbps
	PC Fax Services
Language	English, Spanish, Optional language can be French, Arabic, Simplified Chinese, and Indonesian.
UIM Option	UIM Card Management
	R-UIM/Non-RUIM
Ring tone	32 Polyphonic, 15 ring tone
FM Radio	Yes, Headset mode and Speaker mode
Phone Book	Capacity
	Phone: 200 entries
	UIM Card: Depends on the UIM capacity
	Groups: 5 fixed groups, 2 groups could be added
SMS	Capacity
	Phone: 200 entries (Inbox + Outbox)
	UIM Card: Depends on the UIM capacity
	Contents: 160 English Letters or 70 Chinese Characters
Input Method	S9
Speed Dial	10 numbers
Call History	Incoming calls: 10 numbers
	Outgoing numbers: 10 numbers
	Missed numbers: 10 numbers
Tools	Schedule, Alarm, Calculator
Answering Machine	Support
Lock Cell	Support
Lock Operator	Support
Lock Pin / UIM Card	Support
Lock Keypad	Support

Table 3 Software Specifications of AWP-L FWP

3 Reference technical standard

- ✧ C.S0011-A Recommended Minimum Performance Standards for CDMA2000 Spread Spectrum Mobile Stations
- ✧ TIA/EIA/IS-95-A Mobile Station-Base Station Compatibility Standard for Dual-Mode Spread Spectrum Systems
- ✧ TIA/EIA/IS-127 Enhanced Variable Rate Codec, Speech Service Option 3 for Wideband Spread Spectrum Digital Systems
- ✧ TIA/EIA/IS-637 Short Message Services for Wideband Spread Spectrum Digital Cellular Systems
- ✧ TIA/EIA/IS-657 Packet Data Services for Wideband Spread Spectrum Digital Cellular Systems
- ✧ TIA/EIA/IS-820 Removable User Identity Module (R-UIM) for Spread Spectrum Systems
- ✧ TIA/EIA/IS-2000-1 Introduction to cdma2000 Standards for Spread Spectrum Systems
- ✧ TIA/EIA/IS-2000-2 Physical Layer Standard for cdma2000 Spread Spectrum Systems
- ✧ TIA/EIA/IS-2000-3 Medium Access Control (MAC) Standard for cdma2000 Spread Spectrum Systems
- ✧ TIA/EIA/IS-2000-4 Signaling Link Access Control (LAC) Standard for cdma2000 Spread Spectrum Systems
- ✧ TIA/EIA/IS-2000-5 Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems