A&L Computer Co., Ltd.

Product Testing Report

Apacer Audio Steno MP3 player Model: AP510

Tester By Chuntavee Mailaead
Customer QC Service
Date 3/9/2005

TABLE OF CONTENT

PART A SPECIFICATIONS OF PRODUCT

PART B DESCRIPTION OF SYSTEM TEST

PART C PERFORMANCE & RESULT

PART D CONCLUSION

PART A SPECIFICATIONS OF PRODUCT

Apacer Audio Steno AP510

Specification of Product	
USB Interface	USB 1.1 specification with mini USB connection
MP3 Player	.mp3 & .wma music format supported
Digital Voice Recording	optimized to operated in various environments
Screen Display	3 Line brilliant 96*32 Full Dot Matrix Two-Colored OLED Display
Digital FM Tuner	FM supports world-wide frequency / 10 programmable channels / FM Recorder
On Board Memory	128MB/ 256MB/ 512MB
Rec. Format	ADPCM
Output	3.5mm earphone Mini-Jack 32 OHM / 103dB/mw at 1KHz
Display Functions	ID3 TAG support
Repeat Mode	Repeat One/ Repeat All/ Normal/ Random/Random & Repeat All
Equalizer Mode	Jazz/ Classic/ Pop/ Rock/ Normal
Power Source	AA (x1) 1.5 Volt Battery
Battery Life	Up to 20 Hours playback with Alkaline Battery (on .mp3 files basis)
Voice Sampling Rate	LP(Extended Recording)/SP(Standard Recording)/HQ(High Quality Recording)
Dimension	(L) 70.7 x (W) 65 x (H) 14.3 mm
Weight	59g without Battery
OS Support	Support Windows 2000 (SP3, SP4)/ME/XPDriver required for Windows 98/98SE

PART B DESCRIPTION OF SYSTEM TEST

Specification of System test	
Mainboard	ASUS A7V880
CPU	Intel Celeron 1.7Ghz.
Memory	Top Guide 256 MB
Graphics Card	On Board
Hard Disk Drive	Western Digital WD400EB
CD-ROM	BTC 52X
Power Supply	350W
Monitor	LCD Proview 14”

Software of testing

1. Microsoft Windows XP Service Pack 2
2. Sisoft Sandra 2005

Bundle

Apacer Audio Steno AP510

PART C PERFORMANCE & DESIGN

File system benchmark

Removable Storage/Flash Benchmark

Use port connect Docking to PC

Apacer AP510 Connectors

Earphone has volume control

PART D CONCLUSION

Prominent Point

1. Can upgrade memory by memory stick.
2. Use only one AA battery 1.5V.
3. LCD has 3 Line brilliant 96*32 full dot Matrix two-color OLED Display.

Observe Point

1. Not support Thai language.
2. No internal antenna but it use cable which connect to speaker out instead.
3. AP510 will show Thai font as china font.
4. Docking connection is not fit.

Summary

MP3 player Apacer AP510 support mp3 & wma file format FM radio voice recording. This model has memory capacity 128/256/512 MB. AP510 use one AA 1.5V battery only but in case of plug in docking, it consumes power from battery in Ap510 or USB port. LCD has 3 Line brilliant 96*32 full dot Matrix two-color OLED Display so big display for mp3 player. This model is appropriate to use in small room or travel or carry to everywhere and this model can expand memory by use memory stick.

Ranking

Consideration

Description		*Point (Max)*
Design	Consider for overview Layout , Slot , Skin , etc of product to match for design	**10**
Performance	Testing for performance of equipment	**10**
Feature	Testing for properties of thing to specify in specification, adjustable	**10**
	Average	**10**

For each item 10 point total 20 point then total and average

1.0 – 3.9 = Poor
4.0 – 7.9 = Normal ☑
8.0 - 10 = Good

Average 7.5 point

Approved By Chuntavee Mailaead
Date: 3/9/2005