

Sparrow Family Specifications

	Sparrow I	Sparrow II
USB		
USB	USB1.1	USB2.0(True High Speed)
Audio		
MP3 decoder	32~320Kbps 32K,44.1K,48K sampling rate	32~320Kbps 32K,44.1K,48K sampling rate
Voice encoder/decoder	IMA_ADPCM in wav format 32Kbps/8K sampling rate	IMA_ADPCM in wav format 32Kbps/8K sampling rate
EQ	7 modes (ROCK, CLASSIC, CLUB, HALL, POP, BASS, TREBLE)	7 modes (ROCK, CLASSIC, CLUB, HALL, POP, BASS, TREBLE)
Time scale	Yes (only slow down)	Yes (speedup is available only when play wav file)
FM	No	Yes(supports preset FM stations up to 20)
FM record	No	Yes(IMA_ADPCM in wav format)
Storage		
Flash	32~256MB	32~512MB
SD/MMC	No	Optional (Customized Design)
Hard drive	No	Optional (Customized Design)
On board Flash with SD/MMC	No	Optional (Customized Design)
On board H.D. with SD/MMC	No	Optional (Customized Design)
Power		
Li-Ion battery	Yes	Yes
Battery Recharge with USB	Yes	Yes
Power Consumption	~50mA/hour (at 3.3V,128kbps mp3 with LCM display)	~39mA/hour/ (at 2.8V,128kbps mp3 with LCM display)
Playback using USB power	Yes	Yes
Battery level detection	Yes	Yes
Display		

FSTN LCD module	Resolution:96*25 Dots (BL Blue) Dimensional outline: 38.22(W) ×20.63(H) ×4.5(D) (Exclude FPC) Active area: 27.82(W)×6.98(H) mm Dots Size: 0.27(W)×0.26(H) mm	Resolution:128*64 Dots (BL Blue) Dimensional outline: 38.4(W) ×21.54(H) ×5.0(D) Active area: 24.3(W)×12.14(H) mm Dots Size: 0.17(W)×0.17(H) mm
OLED	No	2-color OLED Optional (Customized Design)
File System		
FAT16	Yes	Yes
FAT32	No	Optional (Customized Design)
Subdirectory	No	Optional (Customized Design)
Long Directory	No	Optional (Customized Design)
Firmware Functions		
A-B repeat	Yes	Yes
Repeat One	Yes	Yes
Repeat All	Yes	Yes
Random Playback	No	Optional (Customized Design)
Playlist	No	Optional (Customized Design)
Storage capacity indicator	No	Optional (Customized Design)
File delete	No	Optional (Customized Design)
Format	No	Optional (Customized Design)
Text Read	No	Optional (Customized Design)
ID3	Yes(V2)	Yes(V2)
Lyrics	No	Yes (Lyrics3 v2.00)
Date and time	No	Optional (Customized Design)
Auto playback by preset time	No	Optional (Customized Design)
Backlight setting	No	Yes
LCM Contrast setting	No	Yes
System Power saving	No	Yes