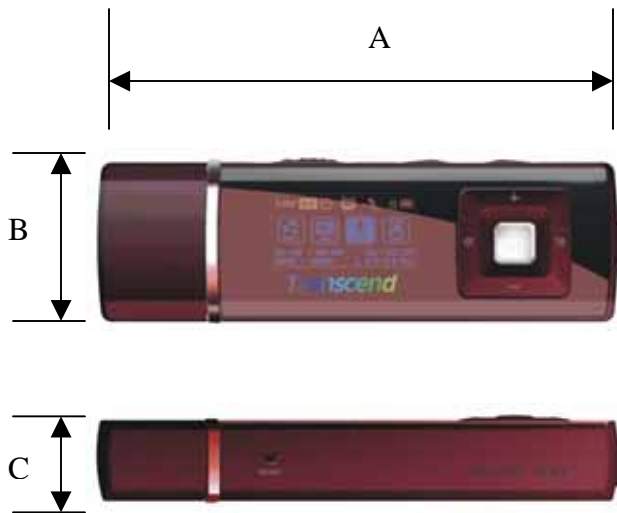


# TS2G/4GMP320

## Description

TS2G/4GMP320 is a 2GB/4GB USB Flash Drive with 1 pcs of 2Gx8/4Gx8 Flash Memory assembled on the printed circuit board. It combines a USB Flash Drive with an MP3 player, AB repeater, voice recorder and an FM radio.

## Outline



## Dimensions

Side	Millimeters
A	85.50 ± 0.20
B	25.50 ± 0.20
C	13.00 ± 0.20

## Features

- MP3 Player – supports MP3, WMA, WMA-DRM10 (subscription music) and WAV music formats
- FM Radio (FM Radio recording and the ability to preset 20 FM radio stations)
- Advanced Digital Voice Recorder
- Karaoke-style lyrics display
- Brilliant, dual-color 4-Line OLED Display produces vibrant clear text easily viewed at any angle and in any light
- VAD (Voice Activity Detection) for high quality gapless audio recordings
- A-B repeat function allows you to continuously replay a designated section of a track
- Variable track playback speeds
- Supports 13 languages including song title, artist name and lyrics display
- USB flash drive capabilities for data transfer and storage
- Included software can be used to lock your computer and password-protect your files
- 7 Equalizer effects, including a customizable USER EQ setting
- Powered using a rechargeable Li-ion battery (fully charged battery supports over 15 hours of continuous operation)\*

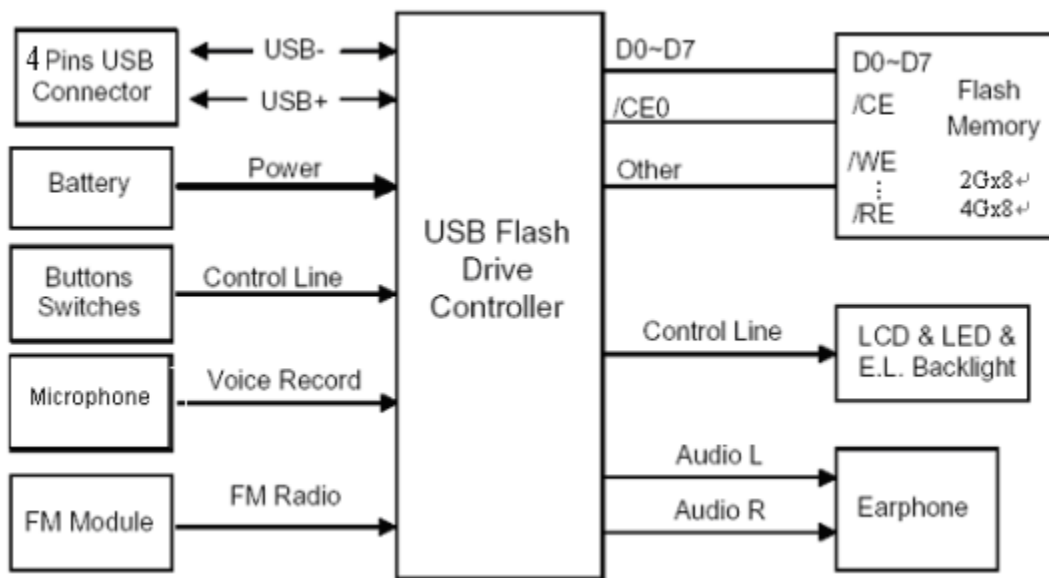
- Hi-Speed USB 2.0 connector for easy computer connectivity and fast file transfers
- Real Time Clock (RTC) displays

local and world times

\* Max. playback time achieved with screen saver set to “Blank” and “Lyrics Sync” disabled.

## Block Diagram

With 1 pcs of 2G/4G x8 Flash Memory



## Pinouts

Pin No.	Pin Name
01	VCC
02	USB-
03	USB+
04	VSS
05	GND

## Pin Identification

Symbol	Function
USB+ USB-	USB differential signal: The pairs are used to transmit Data/Address/Command
VCC	USB Power Input
VSS	Ground
GND	Ground

## Specifications

● <b>Size (L x W x H):</b>	85.5 mm × 25.5 mm × 13 mm
● <b>Weight:</b>	29g (with Li-ion battery)
● <b>Music Formats:</b>	MP3 WMA and WMA-DRM10 (Subscription music)
● <b>Recording Format:</b>	ADPCM (WAV)
● <b>Estimated Battery Life:</b>	15 hours Music playback (fully charged battery)
● <b>Compression Rates:</b>	32Kbps to 320Kbps
● <b>Data Retention:</b>	Up to 10 years
● <b>Erase Cycles:</b>	≥ 100,000 times
● <b>Signal-to-Noise Ratio:</b>	≥ 90dB
● <b>Power Supply</b>	USB mass storage: DC5V ± 10% MP3 Player: 3.7V Li-ion battery
● <b>Certificates:</b>	CE, FCC, BSMI
● <b>Warranty:</b>	2-years