TS1G/2G/4GMP630

Description

TS1G/2G/4GMP630 is a 1GB/2GB/4GB USB Flash Drive with 1 pcs of 1Gx8/2Gx8/4Gx8 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

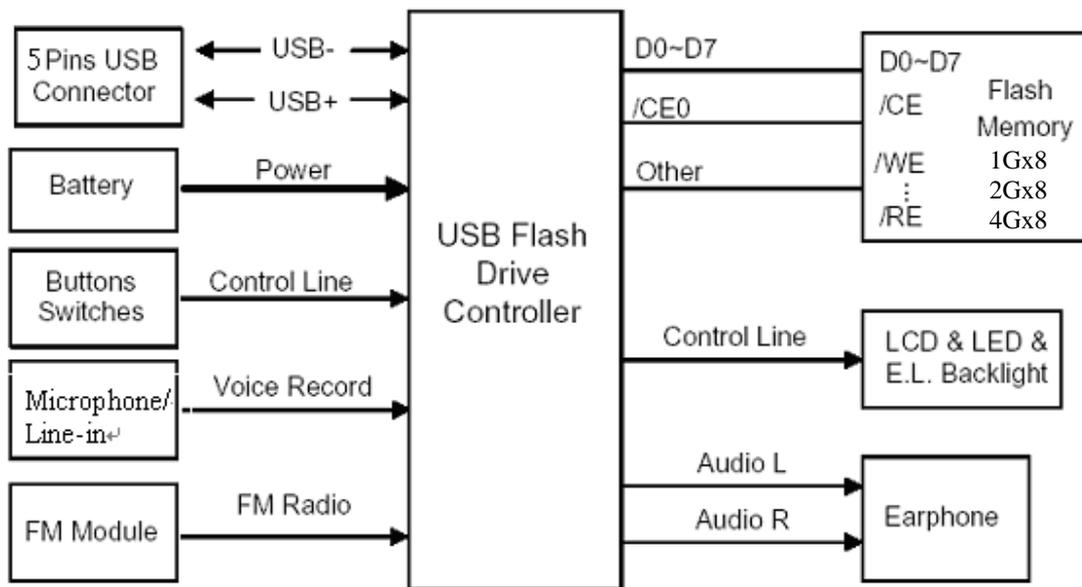| Side	Millimeters
A	73.00 ± 0.20
B	33.00 ± 0.20
C	12.50 ± 0.20

Features

- MP3 Player that 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: specify an individual (memo), or group (meeting) environment
- One-Touch Recording: even when Powered OFF, press and hold the REC button to start the Built-in Microphone Recording
- Karaoke-type lyrics display
- Direct Line-In recording from a CD Player, or external Microphone
- Brilliant, White text (4-Line) OLED Display produces a vibrant clear display, easily viewed at any angle and in any light
- Scheduled Recordings: preset a time to auto-start a Radio, or Microphone recording
- VAD (Voice Activation Detection), Very High quality Gapless Audio Recordings
- Playlist Builder
- A-B repeat function allows you to continuously replay a designated section of a track
- Variable Track Playback speeds
- Supports 12 user languages including song/artist name display

- USB Flash Drive capabilities for data transfer and storage, plus additional software
- 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 Mini USB 2.0 port for easy computer connectivity and fast file transfers

- Sleep Mode, preset the player to Auto-Power OFF after 15, 30, or 60 minutes
- Automatic screen saver runs if the unit is idle for more than a few seconds, this acts as a battery saving measure
- Real Time Clock (RTC) displays local and world times

Block Diagram

With 1 pcs of 1G/2G/4Gx8 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

•	Host Interface	USB2.0
•	Storage	1GB/2GB/4GB
•	Size:	73 mm ✕ 33 mm ✕ 12.5 mm
•	Weight:	30g (with Li-ion battery)
•	Data Retention:	Up to 10 years
•	Erase Cycles:	100,000 times
•	Signal-to-Noise Ratio:	90dB
•	Power Supply	USB mass storage: DC5V ± 10% MP3 Player: 3.7V Li-ion battery
•	Estimated Battery Life:	15 hours (Li-ion battery)
•	Music Formats:	MP3 WMA and WMA-DRM10 (Subscription music)
•	Recording Format:	ADPCM (WAV)
•	Compression Rates:	32Kbps–320Kbps
•	Certificates:	CE, FCC, BSMI
•	Warranty:	2-years