

# SD Card [ Secure Digital Card ]

The SD(Secure Digital) Card of IDT is a high speed data transmitting and saving device that stores digital files and audio and video system files quickly and conveniently and fulfills the requirements of security and extension thanks to the security function. The SD memory card size(24mm X 32mm X 2.1mm) is so slim that we can carry it easily and we can transmit high capacity data without any delay.

## Description Specification

Card Size	24 × 32 × 2.1mm
Capacity	128MB ~ 4GB
Interface	SD/SPI/I/O interface
Number of Pin	9pins
Weight	2.0g
Data Transfer Speed	Read 10MB Max / Write 8MB Max
Current Consumption	43 mA Max
Operating Voltage	2.7V ~ 3.6V
Operating Temperature	-25°C ~ +85 °C



# mini SD [ mini Secure Digital ]

IDT provide mini-SD carries a security function that we condensed by approximately 40 percent of SD memory card. The most minimized SD card is a memory of digital products, and it can replace a high capacity memory card which expands its application.

## Description Specification

Card Size	20 × 21.5 × 1.4mm
Capacity	128MB ~ 2GB
Interface	SD/SPI interface
Number of Pin	11 pins
Weight	1.0g
Data Transfer Speed	Read 10MB Max / Write 8MB Max
Current Consumption	43 mA Max
Operating Voltage	2.7V ~ 3.6V
Operating Temperature	-25°C ~ +85 °C



# MMC plus [ Multi Media Card plus ]

IDT's MMC plus applies to the MMC 4.0 upgrading version. The number of pins has increased from 7 to 13. The maximum rate of the transmission has also sharply risen to 52MB(8bit) per second. MMC plus is a multi-purpose saving/transmitting tool which is fast and convenient.

## Description Specification

Card Size	24 × 32 × 1.4mm
Capacity	512MB ~ 4GB
Interface	MMC/SPI interface
Number of Pin	13pins
Weight	2.0g
Data Transfer Speed	Read 10MB Max / Write 9MB Max
Current Consumption	43 mA Max
Operating Voltage	2.7V ~ 3.6V (1.7 ~ 1.95V optional)
Operating Temperature	-25°C ~ +85 °C



# MMC mobile [ Multi Media Card mobile ]

IDT MMC mobile (24 x 18 x 1.4mm) is portable and requires low electric power and is suitable for " Plug & Play System " which is easy and convenient. Thanks to the 13pins, it can assure you the High-speed data process. Digital products, mobile phones/digital cameras/ PDA etc. equipped with an MMC slot will be available.

## Description Specification

Card Size	24 × 18 × 1.4mm
Capacity	128MB ~ 1GB
Interface	MMC/SPI interface
Number of Pin	13pins
Weight	0.8g
Data Transfer Speed	Read 10MB Max / Write 9MB Max
Current Consumption	43 mA Max
Operating Voltage	2.7V ~ 3.6V / 1.7V ~ 1.95V
Operating Temperature	-25°C ~ +85 °C



# micro SD [ micro Secure Digital ]

IDT's micro SD card, a compatible data storing tool, is used in varied parts of mobile phones, smart phones, PDA, MP3 players etc. micro SD is a new storing device for portable products. When using up-to-date products, it is easy to expand and upgrade memory. It has a wide supply of voltage that applies to a lot of devices as a portable tool.

## Description Specification

Card Size	11 X 15 X 1,0mm
Capacity	64 ~ 1GB
Interface	SD / SPI Interface
Number of pin	8 pins
Weight	0.4g
Data Transfer Speed	Read 10MB Max / Write 8MB Max
Current Consumption	43mA Max
Operating Voltage	2.7V ~ 3.6V
Operating Temperature	-25 to +85° C



# MMC micro [ Multi Media Card micro ]

MMC micro is a tool for storing memory. Manufactured by MMC standards, the MMC micro is only a quarter size of the RS MMC. The maximum rate per second in reading and writing is 26MB. Mobile headsets, music, photo and video files can be processed with high-speed and low electric power.

## Description Specification

Card Size	14 X 12 X 1,1mm
Capacity	128 ~ 2GB
Interface	MMC / SPI Interface
Number of pin	10 pins
Weight	0.3g
Data Transfer Speed	Read 9MB Max / Write 7MB Max
Current Consumption	43mA Max
Operating Voltage	2.7V ~ 3.6V(1.7V ~ 1.95V Optional)
Operating Temperature	-25 to +85° C



# Memory Card Reader / Writer

The Memory Card Reader/Writer are USB compatible with flash card of MP3 players, digital cameras, mobile phones, and PDAs linked with desktops, laptops etc.

## Description Specification

Interface	High Speed USB2.0
Flash Memory Density(TVRW-520 only)	128/256/512MB/UP TO 1GB
Using the Card	SD, MMC, RS-MMC, miniSD
Read/Write speed	480Mbps
Supply Voltage	5.0V±10%
Current	140mA Max
Operating Temperature	-20 to 85°C
Size	26.8 x 72.5 x 10.8
System Requirement	Windows OS / MAC 9.6~
Media Connector	1 slot



## Flash Memory Product



Flash memory, an indispensable component fitted with a digital camera, a mobile phone, MP3 player, PDA, etc. has been rapidly developed to keep up with the market activation of portable telecommunication equipment.

### Audio >>

SD\_Audio / SD\_Sound / SD\_Voice

### Visual >>

SD\_Picture / SD\_Image / SD\_Video

### Document >>

SD\_Document / SD\_Publish / SD\_PIM

