



Embedded Solutions

SD Card

Transcend's SD cards combine the advantages of high performance and exceptional endurance at affordable prices. Built with high-quality NAND Flash chips, Transcend's embedded memory cards offer high-speed data transfer rates, maximum storage space, and the tenacity to withstand wide operating temperatures ranging from -25°C/-40°C to 85°C. These make them best suited for demanding industrial environments where performance and reliability are of utmost importance.

Features

- Suitable for wide-temperature application
- Built-in ECC and Wear-leveling algorithm ensure reliable data transfer
- Mechanical write-protect switch
- SDHC / SDXC Class 10 write performance
- Voltage detect function protects saved data



Specifications

	SDHC520I	SDHC10I	SDHC/SDXC 10M	SD100I
Interface	SD 3.0			
Flash Type	MLC			SLC
Connector	SD connector			
Form Factor	SD flash card			
Capacity	8GB~32GB		8GB~128GB	128MB~16GB
Sequential Read*	24 MB/s	22 MB/s	24 MB/s	24 MB/s
Sequential Write*	16 MB/s	18 MB/s	22 MB/s	21 MB/s
Operating Temperature	-40°C~85°C	-40°C~85°C	-25°C~85°C	-40°C~85°C
Storage Temperature	-40°C~85°C			
Humidity	0%~95%			
Shock	1500G			
Vibration	20G (peak-to-peak), 20Hz to 2000Hz (frequency)			
Operating Voltage	2.7V~3.6V			
Power Consumption	0.72W			
Dimensions (max.)	32 x 24 x 2.1mm			
MTBF	>3,000,000 hours			
Warranty	Three-year Limited Warranty			

*Maximum performance shown. Performance varies by capacity, user hardware, and system configuration.

Ordering Information

SDHC520I	TS8GSDC520I	8GB	SDHC/ SDXC 10M	TS8GSDHC10M	8GB	SD100I	TS128MSD100I	128MB
	TS16GSDC520I	16GB		TS16GSDHC10M	16GB		TS256MSD100I	256MB
	TS32GSDC520I	32GB		TS32GSDHC10M	32GB		TS512MSD100I	512MB
SDHC10I	TS8GSDHC10I	8GB	TS64GSDXC10M	64GB	TS1GSD100I	1GB	TS2GSD100I	2GB
	TS16GSDHC10I	16GB	TS128GSDXC10M	128GB	TS4GSDHC100I	4GB	TS8GSDHC100I	8GB
	TS32GSDHC10I	32GB			TS16GSDHC100I	16GB		

Mechanical Dimensions

SD card

