

Embedded Solutions



SD Cards

SDXC/SDHC10M

Built with top-quality MLC NAND Flash chips, Transcend's industrial SDXC/SDHC Class 10 memory cards can endure operating temperatures from -25°C to 85°C; and set a new standard for consistent, long-term performance even in the harshest conditions. Moreover, these cards offer high-speed Class 10 data transfer rates and extra large storage space to satisfy the demanding performance and capacity requirements of industrial applications.

Hardware Features

- Compliant with RoHS 2.0 standards
- MLC NAND flash
- Compliant with Speed Class 10
- Compliant with SD specification 3.0
- Electrostatic protection (ESD IEC 61000-4-2)

Firmware Features

- Mechanical Write Protection switch for data security
- Supports Content Protection for Recorded Media (CPRM)
- Built-in ECC (Error Correction Code) functionality
- Wear-Leveling
- Early Move

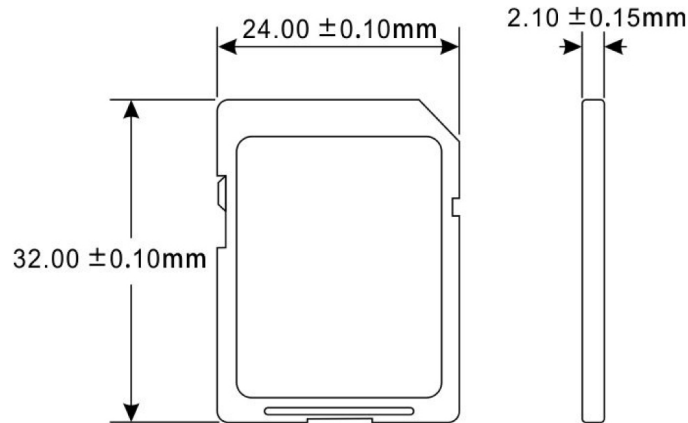
Ordering Information

| | |
|------|--------------|
| 8GB | TS8GSDHC10M |
| 16GB | TS16GSDHC10M |
| 32GB | TS32GSDHC10M |
| 64GB | TS64GSDXC10M |

Specifications

| | | |
|------------------------------|--------------------------|--|
| Appearance | Dimensions | 24 mm x 32 mm x 2.1 mm (0.94" x 1.26" x 0.08") |
| | Form Factor | SD flash card |
| Storage | Flash Type | MLC NAND flash |
| | Capacity | 8 GB / 16 GB / 32 GB / 64 GB |
| Operating Environment | Operating Voltage | 2.7V ~ 3.6V |
| | Drop Test | 1.5m free fall |
| | Operating Temperature | Standard -25°C (-13°F) ~ 85°C (185°F) |
| | Storage Temperature | -40°C (-40°F) ~ 85°C (185°F) |
| | Humidity | 0% ~ 95% |
| | Shock | Acceleration: 490 m/s ² (standard holding time: 11 ms, semi-sine wave, velocity change: 3.44 m/s) |
| | Vibration (Operating) | 20 G (peak-to-peak), 20 Hz ~ 2,000 Hz (frequency) |
| Power | Power Consumption (Max.) | 0.72 watt(s) |
| Performance | Read Speed (Max.) | up to 20 MB/s |
| | Write Speed (Max.) | up to 18 MB/s |
| | Terabytes Written (Max.) | 120 TBW |
| Warranty | Certificate | CE / FCC |
| | Warranty | Three-year Limited Warranty |

Mechanical Dimensions



Product specifications are subject to change without notice. Pictures shown may differ from actual products. Total accessible capacity varies depending on operating environment. Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification.