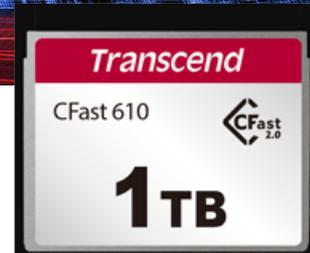


## Embedded Solutions



### CFast Cards

## CFX610 & CFX610I

Transcend's CFX610 CFast card is designed with 112-layer 3D NAND flash and SATA III 6Gb/s interface, featuring high transfer speeds and large capacities, as well as plug-and-play convenience. The CFX610 can operate stably under -5°C ~ 70°C, and wide-temperature(-40°C ~ 85°C) model can be provided upon request, suitable for gaming machines, healthcare equipment, transportation systems, and other embedded devices.

### Hardware Features

- Compliant with RoHS 2.0 standards
- Compliant with CFast specification 2.0
- High-quality 3D NAND flash
- Durability: 10,000 insertion/removal cycles
- Promised operational reliability in a wide temperature range (from -40°C to 85°C)

### Firmware Features

- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
- Advanced Global Wear-Leveling and Block management for reliability
- Built-in LDPC ECC (Error Correction Code) functionality
- Power-saving DevSleep (Device Sleep) mode

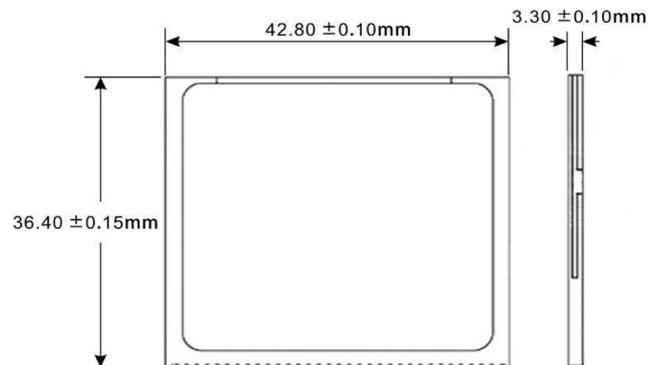
### Ordering Information

64GB	TS64GCFX610 TS64GCFX610I
128GB	TS128GCFX610 TS128GCFX610I
256GB	TS256GCFX610 TS256GCFX610I
512GB	TS512GCFX610 TS512GCFX610I
1TB	TS1TCFX610 TS1TCFX610I

## Specifications

<b>Appearance</b>	Dimensions	42.8 mm x 36.4 mm x 3.3 mm (1.69" x 1.43" x 0.13")
	Form Factor	CFast
<b>Interface</b>	Bus Interface	SATA III 6Gb/s
<b>Storage</b>	Flash Type	112-layer 3D NAND flash
	Capacity	64 GB / 128 GB / 256 GB / 512 GB / 1 TB
<b>Operating Environment</b>	Operating Voltage	3.3V±5%
	Operating Temperature	Standard Temp. -5°C (23°F) ~ 70°C (158°F)
		Wide Temp. -40°C (-40°F) ~ 85°C (185°F)
	Operating Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Humidity	0% ~ 95%
	Shock	1500 G, 0.5 ms, 3 axis
Vibration (Operating)	3 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)	
<b>Power</b>	Power Consumption (Max.)	1.2 watt(s)
<b>Performance</b>	Read Speed (Max.)	Up to 550 MB/s
	Write Speed (Max.)	Up to 520 MB/s
	Mean Time Between Failures (MTBF)	3,000,000 hour(s)
<b>Warranty</b>	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.