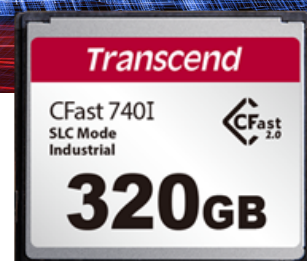


Embedded Solutions



CFast Cards

CFX740I

Transcend's CFX740I CFast card features 218-layer 3D NAND flash memory and a SATA III 6Gb/s interface, delivering high-speed data transfer, high capacity, a compact form factor, and plug-and-play convenience. The CFX740I incorporates SLC Mode technology, offering flash memory endurance of up to 100,000 program/erase (P/E) cycles to maintain consistent write performance. It supports a wide operating temperature range of -40°C to 85°C, making it suitable for outdoor equipment and harsh environments exposed to rapid temperature fluctuations. With exceptional endurance, it is specifically designed for write-intensive applications such as gaming machines, medical diagnostic 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 and SLC mode for exceptional endurance and reliability
- Power Shield (PS) to ensure data transfer integrity and minimize data corruption in the drive during an abnormal power outage
- Promised operational reliability in a wide temperature range (from -40°C to 85°C)

Ordering Information

40GB	TS40GCFX740I
80GB	TS80GCFX740I
160GB	TS160GCFX740I
320GB	TS320GCFX740I

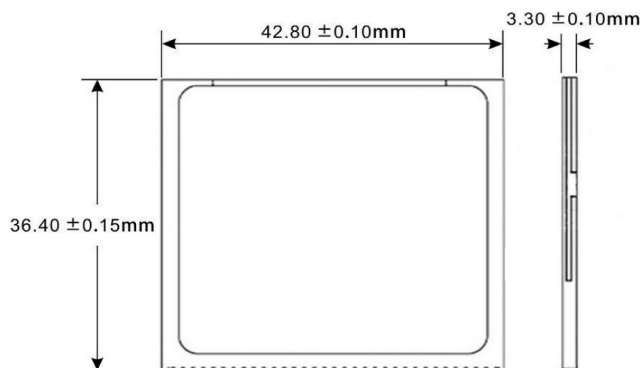
Firmware Features

- Built-in LDPC ECC (Error Correction Code) functionality
- 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
- Power-saving DevSleep (Device Sleep) mode
- Dynamic thermal throttling

Specifications

Appearance	Dimensions	42.8 mm x 36.4 mm x 3.3 mm (1.69" x 1.43" x 0.13")
	Form Factor	CFast
Interface	Bus Interface	SATA III 6Gb/s
Storage	Flash Type	218-layer 3D NAND flash (SLC mode)
	Capacity	40 GB / 80 GB / 160 GB / 320 GB
Operating Environment	Operating Voltage	3.3V±5%
	Operating Temperature	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)	20 G (peak-to-peak), 7 Hz ~ 2,000 Hz (frequency)
Power	Power Consumption (Max.)	0.8 watt(s)
Performance	Read Speed (Max.)	Up to 540 MB/s
	Write Speed (Max.)	Up to 520 MB/s
	Mean Time Between Failures (MTBF)	3,000,000 hour(s)
Warranty	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.