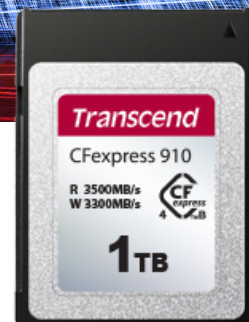


Embedded Solutions



CFexpress Cards

CFE910 & CFE910I

Transcend's CFE910 CFexpress Type B memory card complies with the CFexpress 4.0 specification and features BiCS8 218-layer 3D NAND flash with a PCIe Gen 4x2 interface. Delivering exceptional transfer speeds and high bandwidth, it is designed to meet the demanding read/write requirements of smart edge computing and real-time image processing applications, including smart manufacturing, machine vision, advanced surveillance, and medical imaging.

To ensure critical data security and system stability, the CFE910 supports TCG Opal 2.0 hardware encryption. It operates reliably at temperatures from -20°C to 75°C and is also available in a wide-temperature version supporting operation from -40°C to 85°C, ensuring exceptional reliability and durability for industrial applications.

Hardware Features

- 30μ" PCB gold finger
- Key components fortified by default with Corner Bond technology
- Compliant with RoHS 2.0 standards
- Compliant with NVM Express specification 2.0
- Extended Temp. (-20°C ~ 75°C) and Wide Temp. (-40°C ~ 85°C) options available

Ordering Information

256GB	TS256GCFE910
	TS256GCFE910I
512GB	TS512GCFE910
	TS512GCFE910I
1TB	TS1TCFE910
	TS1TCFE910I

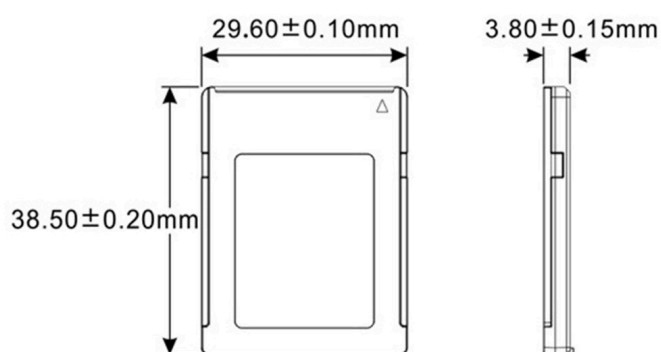
Firmware Features

- Advanced Global Wear-Leveling and Block management for reliability
- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
- Built-in LDPC ECC (Error Correction Code) functionality
- TRIM command for better performance
- Full drive encryption with Advanced Encryption Standard (AES)

Specifications

Appearance	Dimensions	38.5 mm x 29.6 mm x 3.8 mm (1.51" x 1.16" x 0.15")
	Form Factor	CFexpress Type B
Interface	Bus Interface	NVMe PCIe Gen4 x2
Storage	Capacity	256 MB / 512 MB / 1 GB
	Flash Type	218-layer 3D NAND flash
Operating Environment	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Humidity	0% ~ 95%
	Shock	50 G, 11 ms
	Vibration (Operating)	15 G (peak-to-peak), 10 Hz ~ 2000 Hz (frequency)
	Operating Temperature	Standard Temp. -20°C (-4°F) ~ 75°C (167°F) Wide Temp. -40°C (-40°F) ~ 85°C (185°F)
Performance	Read Speed (Max.)	Up to 3,500 MB/s
	Write Speed (Max.)	Up to 3,300 MB/s
	Mean Time Between Failures (MTBF)	3,000,000 hour(s)
Warranty	Certificate	CE / UKCA / FCC / EAC / RCM

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.