

Embedded Solutions



CFexpress Cards

CFexpress 860

Compliant with the CFexpress 2.0 specification, Transcend's CFexpress 860 Type B card is designed with 112-layer 3D NAND flash, a PCIe Gen 3x2 interface, and SLC Mode technology, offering sustained high transfer speeds with plug-and-play convenience. The CFexpress 860 can operate stably in temperatures ranging from -10°C to 70°C, suitable for gaming machines, healthcare equipment, transportation systems, and other high-resolution image processing applications.

Hardware Features

- Compliant with RoHS 2.0 standards
- PCIe Gen 3 x2 interface
- High-quality 3D NAND flash and SLC mode for exceptional endurance and reliability
- Compliant with NVM Express specification 1.3

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
- Advanced Garbage Collection

Ordering Information

80GB	TS80GCFE860
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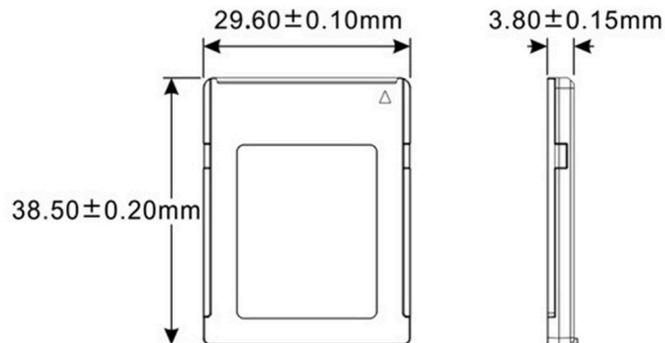
160GB	TS160GCFE860
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320GB	TS320GCFE860
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Specifications

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 Gen3 x2
Storage	Capacity	80 GB / 160 GB / 320 GB
	Flash Type	112-layer 3D NAND flash (SLC mode)
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. -10°C (14°F) ~ 70°C (158°F)
Performance	Read Speed (Max.)	Up to 1,750 MB/s
	Write Speed (Max.)	Up to 1,500 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.