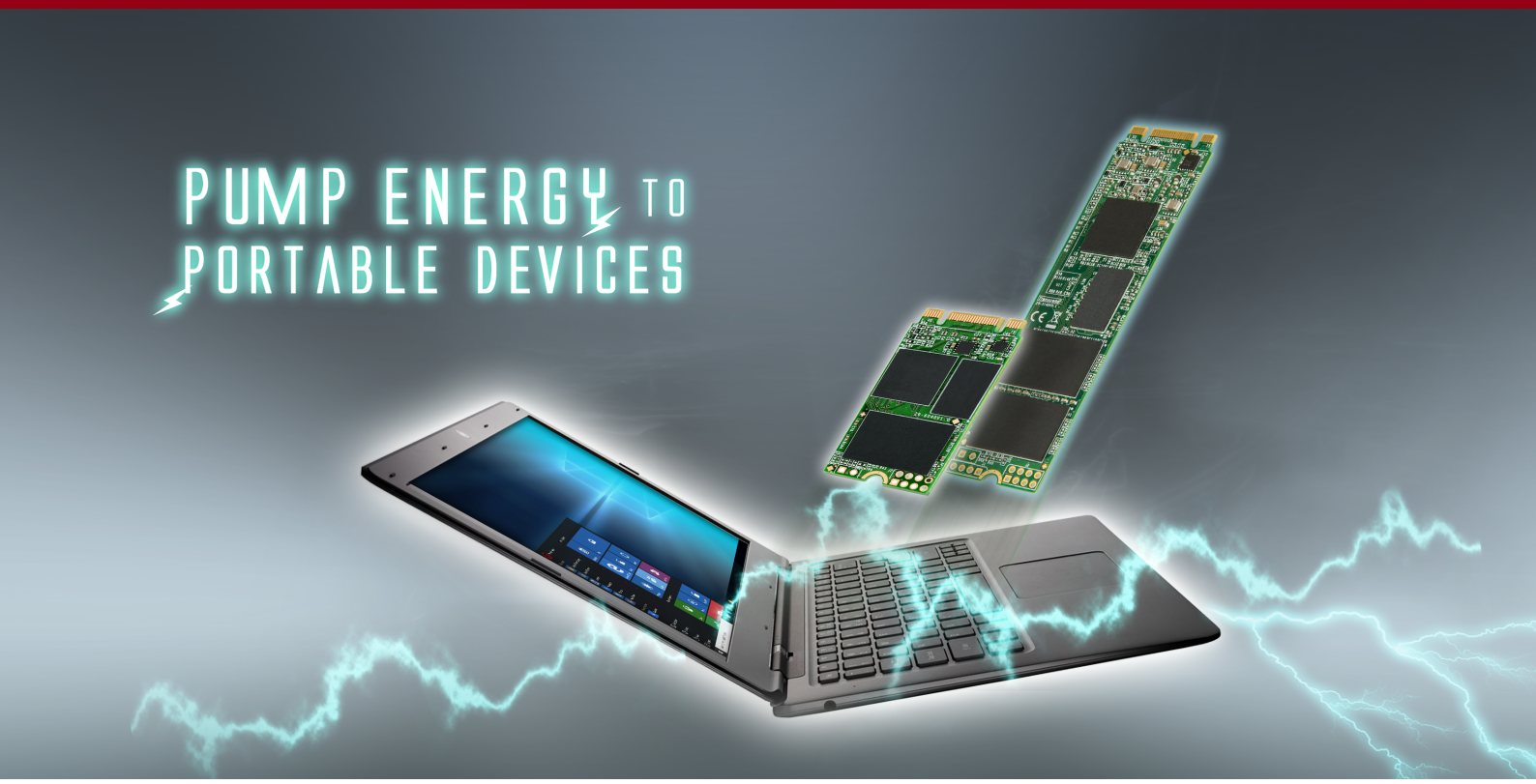
Transcend®

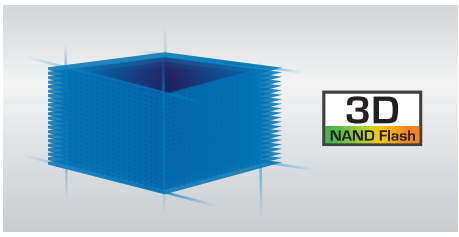
www.transcend-info.com



Solid State Drive | M.2 SSDs (TLC)

Utilizing the SATA III 6Gb/s interface, Transcend's ultracompact M.2 SSDs are well-suited to address the high-performance needs and strict size limitations of small form factor devices. By using only high-quality flash chips and enhanced firmware algorithms, Transcend's M.2 SSDs deliver peerless reliability.

Built-in SLC caching technology



3D NAND flash chips

- SATA III 6Gb/s interface and SLC caching technology for exceptional transfer speeds
- Engineered with a RAID engine and LDPC (Low-Density Parity Check) coding to ensure data integrity
- Supports Device Sleep Mode (DevSleep) to prolong notebook battery life by intelligently shutting down SATA interface when not in use
- Supports S.M.A.R.T., TRIM and NCQ commands
- Three-year Limited Warranty

	M.2 SSD 420S	M.2 SSD 820S
Dimensions (max.)	42.0mm × 22.0mm × 3.88mm (1.65" x 0.87" x 0.15")	80.0mm × 22.0mm × 3.58mm (3.15" x 0.87" x 0.14")
Weight (max.)	8g (0.28 oz)	8g (0.28 oz)
Interface	SATA III 6Gb/s	SATA III 6Gb/s
Storage Media	3D NAND Flash Memory	3D NAND Flash Memory
Form Factor	M.2 Type 2242	M.2 Type 2280
Performance*		
Seq. read/write	560MB/s, 500MB/s	560MB/s, 510MB/s
Max. 4K random read	65,000 IOPS	50,000 IOPS
Max. 4K random write	85,000 IOPS	75,000 IOPS

*Speed may vary due to host hardware, software, usage and storage capacity.

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