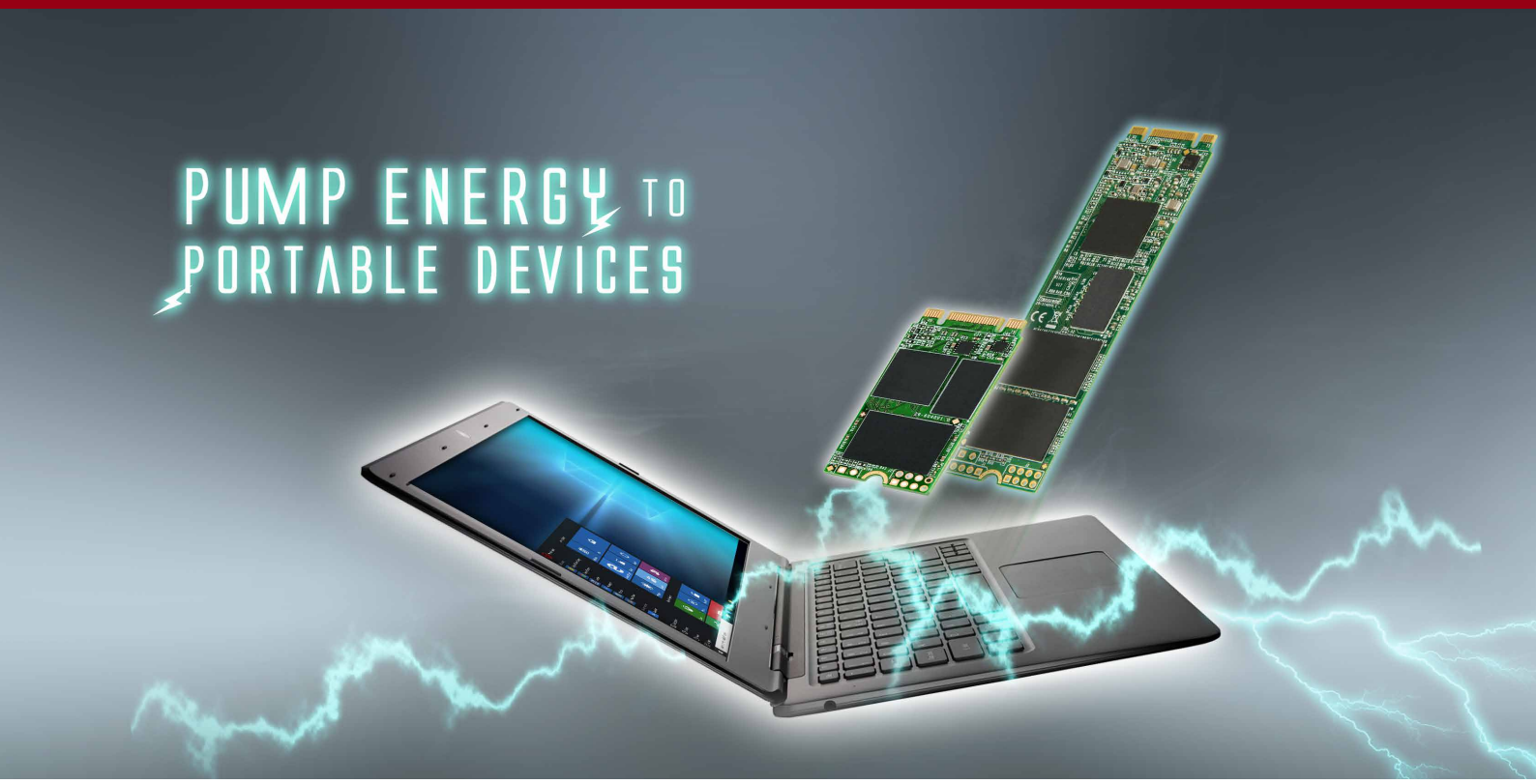
Transcend®

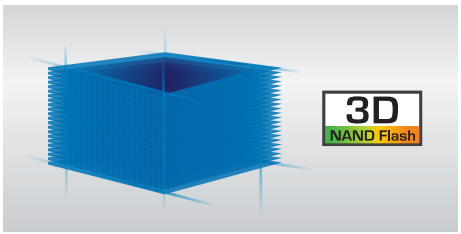
www.transcend-info.com



Solid State Drive | M.2 SSDs (3D NAND)

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 memory

- 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
- DDR3 DRAM cache (M.2 SSD 430S and M.2 SSD 830S only)
- Five-year Limited Warranty for M.2 SSD 430S and M.2 SSD 830S; Three-year Limited Warranty for M.2 SSD 420S and M.2 SSD 820S

	M.2 SSD 420S	M.2 SSD 430S	M.2 SSD 820S	M.2 SSD 830S
Interface	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6Gb/s
Storage Media	3D NAND Flash Memory	3D NAND Flash Memory	3D NAND Flash Memory	3D NAND Flash Memory
Capacity	120GB~240GB	128GB~512GB	120GB~960GB	128GB~1TB
Form Factor	M.2 Type 2242	M.2 Type 2242	M.2 Type 2280	M.2 Type 2280
DDR3 DRAM cache	-	●	-	●
Performance*				
Seq. read/write	500MB/s, 500MB/s	560MB/s, 500MB/s	550MB/s, 500MB/s	560MB/s, 500MB/s
Max. 4K random read	40,000 IOPS	80,000 IOPS	70,000 IOPS	85,000 IOPS
Max. 4K random write	75,000 IOPS	85,000 IOPS	75,000 IOPS	85,000 IOPS

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