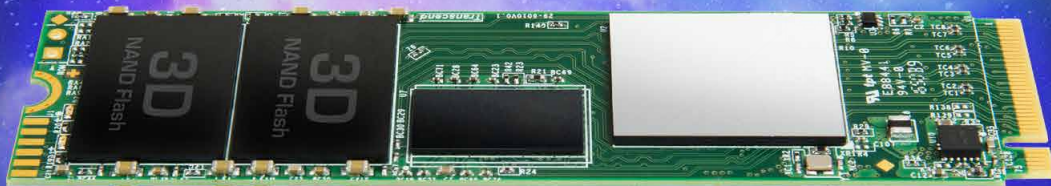# Unleash performance beyond expectation

PCIe Gen3 x4 M.2 SSD

Solid State Drive | PCIe M.2 SSDs

Transcend's MTE850 M.2 SSD utilizes the PCI Express® Gen3 x4 interface supported by the latest NVMe™ standard, to unleash next-generation performance. The MTE850 M.2 SSD aims at high-end applications, such as digital audio/video production, gaming, and enterprise use, which require constant processing heavy workloads with no system lags or slowdowns of any kind. Powered by 3D MLC NAND flash memory, the MTE850 M.2 SSD gives you not only fast transfer speeds but unmatched reliability.

PCIe Gen3 x4 interface and NVMe standard   3D NAND flash chips

- Space-saving M.2 Type 2280 form factor
- Engineered with a RAID engine and LDPC (Low-Density Parity Check) coding to ensure data integrity
- Built-in SLC caching technology for exceptional transfer speeds
- Engineered dynamic thermal throttling mechanism to prevent overheating while maintaining high performance
- Supports Transcend SSD Scope software
- Three-year Limited Warranty

Compelling performance for high-end applications

Ordering Information

TS128GMTE850	128GB
TS256GMTE850	256GB
TS512GMTE850	512GB
TS128GMTE820	128GB
TS256GMTE820	256GB
TS512GMTE820	512GB

	MTE850	MTE820
Dimensions (max.)	80.0mm × 22.0mm × 3.58mm (3.15" x 0.87" x 0.14")	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	PCIe Gen3 x4	PCIe Gen3 x4
Storage Media	3D MLC NAND Flash Memory	3D TLC NAND Flash Memory
Form Factor	M.2 Type 2280	M.2 Type 2280
Seq. Read/Write*	2,500MB/s, 1,100MB/s	1,760MB/s, 860MB/s
Operating Voltage	DC 3.3V±5%	DC 3.3V±5%
Operating Temperature	0°C(32°F) ~ 70°C(158°F)	0°C(32°F) ~ 70°C(158°F)

Some motherboards only provide PCIe x2 connections for the M.2 slot, creating a bottleneck on even the fastest drives. Speed may vary due to host hardware, software, usage, and storage capacity.

*Note: Performance is based on CrystalDiskMark v5.0.2.