Solid State Drives

PCIe Gen3 x4 M.2 SSD MTE850

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 is aimed at high-end applications, such as digital audio/video production, gaming, and enterprise use, which require constant processing of heavy workloads without system lags or slowdowns of any kind. Powered by 3D MLC NAND flash memory, the MTE850 M.2 SSD provides not only fast transfer speeds but also unmatched reliability.

High performance controller with 3D MLC NAND Flash

- PCIe Gen3 x4 interface and NVMe standard
- Up to 2,500MB/s read and 1,100MB/s write performance
- Space-saving M.2 Type 2280 form factor
- Engineered with a RAID engine and LDPC (Low-Density Parity Check) coding
- Built-in SLC caching technology
- Supports Transcend SSD Scope software
- Three-year Limited Warranty

Dimensions (max.)	80.0mm × 22.0mm × 3.58mm
Weight (max.)	8g
Flash Type	3D MLC NAND Flash
Connection Type	M.2 module notch M
Form Factor	2280-D2-M
Maximum Performance*	Seq. read: 2,500MB/s Seq. write: 1,100MB/s 4K random read: 270,000 IOPS 4K random write: 130,000 IOPS
Operating Voltage	3.3V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)

Ordering Information

TS128GMTE850	128GB
TS256GMTE850	256GB
TS512GMTE850	512GB

*Performance varies by capacity, user hardware, and system configuration.

SATA III 6Gb/s M.2 SSD

Ordering Information

TS16GMTS400	16GB
TS32GMTS400	32GB
TS64GMTS400	64GB
TS128GMTS400	128GB
TS256GMTS400	256GB
TS512GMTS400	512GB

Ordering Information

TS32GMTS600	32GB
TS64GMTS600	64GB
TS128GMTS600	128GB
TS256GMTS600	256GB
TS512GMTS600	512GB

Ordering Information

TS32GMTS800	32GB
TS64GMTS800	64GB
TS128GMTS800	128GB
TS256GMTS800	256GB
TS512GMTS800	512GB
TS1TMTS800	1TB

	MTS400	MTS600	MTS800
Dimensions (max.)	42mm x 22mm x 3.58mm	60mm x 22mm x 3.58mm	80mm x 22mm x 3.58mm
Weight (max.)	4g	6g	9g
Flash Type	MLC NAND Flash	MLC NAND Flash	MLC NAND Flash
Connection Type	M.2 module notch B+M	M.2 module notch B+M	M.2 module notch B+M
Form Factor	2242-D2-B-M	2260-D2-B-M	2280-D2-B-M
Maximum Performance*	Seq. read: 560MB/s Seq. write: 460MB/s 4K random read: 70,000 IOPS 4K random write: 70,000 IOPS	Seq. read: 550MB/s Seq. write: 460MB/s 4K random read: 70,000 IOPS 4K random write: 75,000 IOPS	Seq. read: 560MB/s Seq. write: 460MB/s 4K random read: 75,000 IOPS 4K random write: 75,000 IOPS
Operating Voltage	3.3V±5%	3.3V±5%	3.3V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)	0°C (32°F) ~ 70°C (158°F)	0°C (32°F) ~ 70°C (158°F)

SATA III 6Gb/s mSATA SSD

Ordering Information

TS16GMSA370	16GB
TS32GMSA370	32GB
TS64GMSA370	64GB
TS128GMSA370	128GB
TS256GMSA370	256GB
TS512GMSA370	512GB
TS1TMSA370	1TB

MSA370

Dimensions (max.)	50.8mm x 29.85mm x 4.85mm
Weight (max.)	8g
Flash Type	MLC NAND Flash
Connection Type	mSATA 52-pin
Form Factor	MO-300
Maximum Performance*	Seq. read: 570MB/s Seq. write: 460MB/s 4K random read: 70,000 IOPS 4K random write: 75,000 IOPS
Operating Voltage	3.3V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)

*Performance varies by capacity, user hardware, and system configuration.

Accessories

2.5" SSD/HDD Enclosure Kit

For 2.5 inch HDD and SSD

Ordering Information

TS0GSJ25CK3

StoreJet® 25CK3

Dimensions	129.5mm x 80.8mm x 18.8mm
Weight (max.)	108g
SATA Interface	SATA III 6Gb/s
Connector Interface	USB 3.1 Gen 1 / USB 3.0
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Package Contents	StoreJet 25CK3 enclosure, USB cable, 7mm to 9.5mm spacer, PH1 screwdriver, M2 mounting screws

3D NAND Flash

Ordering Information

TS120GMTS420 120GB

MTS420

3D NAND Flash

Ordering Information

TS128GMTS810 128GB

MTS810

Ordering Information

TS120GMTS820 120GB
TS240GMTS820 240GB

MTS820

	MTS420	MTS810	MTS820
Dimensions (max.)	42mm × 22mm × 3.58mm	80mm × 22mm × 2.23mm	80mm × 22mm × 3.58mm
Weight (max.)	8g	8g	9g
Flash Type	3D TLC NAND Flash	3D TLC NAND Flash	TLC NAND Flash
Connection Type	M.2 module notch B+M	M.2 module notch B+M	M.2 module notch B+M
Form Factor	2242-D5-B-M	2280-S2-B-M	2280-D2-B-M
Maximum Performance*	Seq. read: 560MB/s Seq. write: 500MB/s 4K random read: 35,000 IOPS 4K random write: 85,000 IOPS	Seq. read: 550MB/s Seq. write: 420MB/s 4K random read: 30,000 IOPS 4K random write: 70,000 IOPS	Seq. read: 550MB/s Seq. write: 420MB/s 4K random read: 78,000 IOPS 4K random write: 78,000 IOPS
Operating Voltage	3.3V±5%	3.3V±5%	3.3V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)	0°C (32°F) ~ 70°C (158°F)	0°C (32°F) ~ 70°C (158°F)

2.5" SSD Installation Kit

For both desktop and laptop

Ordering Information

TS-CK3

TS-CK3

Dimensions	69.85mm x 28.1mm x 8.8mm
Weight (max.)	22g
SATA Interface	SATA III 6Gb/s
Connector Interface	USB 3.1 Gen 1 / USB 3.0
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Package Contents	2.5" to 3.5" bracket, USB-to-SATA adapter, SATA cable (45cm), 7mm to 9.5mm spacer, PH2 screwdriver, M3 mounting screws

M.2 SSD Enclosure Kit

For M.2 SATA SSD

Ordering Information

TS-CM42S
TS-CM80S

CM42 / CM80

Dimensions	CM42: 81.41mm x 33.6mm x 7.5mm CM80: 120.16mm x 33.6mm x 7.5mm
Weight (max.)	CM42: 29g, CM80: 41g
SATA Interface	SATA III 6Gb/s
Connector Interface	USB 3.1 Gen 1 / USB 3.0
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Package Contents	M.2 SSD enclosure, M.2 adapter, Type-C to Type-A USB cable (45cm), metal plate, aluminum sticker, screwdriver, mounting screws, copper nut (CM80 only)

The M.2 SSD Enclosure Kit is not compatible with PCI-Express M.2 SSDs.

3D era for superb performance

SATA III 6Gb/s 2.5" SSD
SSD230

Transcend's SSD230 SATA III 6Gb/s SSD adopts the latest 3D NAND technology to achieve high storage capacities and performance. By using only high-quality flash chips and enhanced firmware algorithms, the SSD230 is guaranteed to deliver greater performance and reliability.

High performance controller with 3D TLC NAND Flash

- Up to 560MB/s read and 520MB/s write performance
- Engineered with a RAID engine and LDPC coding
- Built-in SLC caching technology
- Supports DevSleep mode
- Supports S.M.A.R.T., TRIM, and NCQ commands
- Three-year Limited Warranty

Dimensions	100mm x 69.85mm x 6.8mm
Weight (max.)	63g
Flash Type	3D TLC NAND Flash
Connection Type	SATA (22-pin)
Form Factor	2.5"
Maximum Performance*	Seq. read: 560MB/s Seq. write: 520MB/s 4K random read: 85,000 IOPS 4K random write: 85,000 IOPS
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)

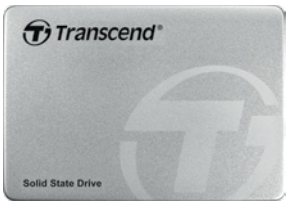
Ordering Information

TS128GSSD230S	128GB
TS256GSSD230S	256GB
TS512GSSD230S	512GB

*Performance varies by capacity, user hardware, and system configuration.

SATA III 6Gb/s 2.5" SSD

SSD370



Ordering Information

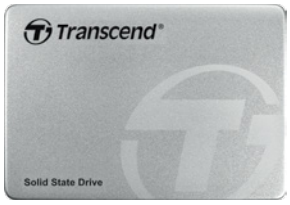
TS32GSSD370S	32GB
TS64GSSD370S	64GB
TS128GSSD370S	128GB
TS256GSSD370S	256GB
TS512GSDD370S	512GB
TS1TSSD370S	1TB

Transcend TS6500 controller with MLC NAND Flash

Dimensions	100mm x 69.85mm x 6.8mm
Weight (max.)	63g
Flash Type	MLC NAND Flash
Connection Type	SATA (22-pin)
Form Factor	2.5"
Maximum Performance*	Seq. read: 560MB/s, Seq. write: 460MB/s 4K random read: 75,000 IOPS 4K random write: 75,000 IOPS
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)

The SSD370 includes a 2.5" to 3.5" desktop mounting bracket and screws.

SSD360



Ordering Information

TS128GSSD360S	128GB
TS256GSSD360S	256GB

Transcend TS6510 controller with MLC NAND Flash

Dimensions	100mm x 69.85mm x 6.8mm
Weight (max.)	63g
Flash Type	MLC NAND Flash
Connection Type	SATA (22-pin)
Form Factor	2.5"
Maximum Performance*	Seq. read: 540MB/s, Seq. write: 340MB/s 4K random read: 35,000 IOPS 4K random write: 70,000 IOPS
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)

SSD340

Ordering Information

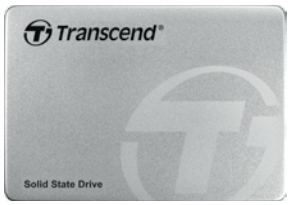
TS32GSSD340K	32GB
TS64GSSD340K	64GB
TS128GSSD340K	128GB
TS256GSSD340K	256GB

JMicron controller with MLC NAND Flash

Dimensions	100mm x 69.85mm x 6.8mm
Weight (max.)	63g
Flash Type	MLC NAND Flash
Connection Type	SATA (22-pin)
Form Factor	2.5"
Maximum Performance*	Seq. read: 550MB/s, Seq. write: 330MB/s 4K random read: 75,000 IOPS 4K random write: 80,000 IOPS
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)

The SSD340 include a 2.5" to 3.5" desktop mounting bracket and screws.

SSD220



Ordering Information

TS120GSSD220S	120GB
TS240GSSD220S	240GB
TS480GSSD220S	480GB
TS960GSSD220S	960GB

High performance controller with TLC NAND Flash

Dimensions	100mm x 69.85mm x 6.8mm
Weight (max.)	63g
Flash Type	TLC NAND Flash
Connection Type	SATA (22-pin)
Form Factor	2.5"
Maximum Performance*	Seq. read: 550MB/s, Seq. write: 450MB/s 4K random read: 80,000 IOPS 4K random write: 80,000 IOPS
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 60°C (140°F)

*Performance varies by capacity, user hardware, and system configuration.

Portable SSD
ESD220C

On-the-go devices supported

- Credit-card size fits perfectly in a wallet
- USB Type-C port equipped
- USB 3.1 Gen 1 / USB 3.0 interface integrated with UASP
- Built-in SLC caching to achieve exceptional transfer speeds
- Engineered with a RAID engine and LDPC coding
- One Touch Auto-backup button
- Free download of Transcend Elite data management software

Dimensions	77mm x 55.7mm x 9.6mm
Weight (max.)	52g
Flash Type	TLC NAND Flash
Connection Interface	USB 3.1 Gen 1 / USB 3.0
Maximum Performance*	Seq. read: 410MB/s Seq. write: 400MB/s
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)

Ordering Information

TS120GESD220C	120GB
TS240GESD220C	240GB
TS480GESD220C	480GB

Portable SSD
ESD400

Faster than portable HDDs

- Pocket-sized form factor and lightweight design
- Sleek, durable and shock-resistant
- USB 3.1 Gen 1 / USB 3.0 interface integrated with UASP
- One Touch Auto-backup button
- Free download of Transcend Elite data management software

Dimensions	92mm x 62mm x 10.5mm
Weight (max.)	56g
Flash Type	MLC NAND Flash
Connection Interface	USB 3.1 Gen 1 / USB 3.0
Maximum Performance*	Seq. read: 410MB/s Seq. write: 380MB/s
Operating Voltage	5V±5%
Operating Temperature	0°C (32°F) ~ 70°C (158°F)

Ordering Information

TS128GESD400K	128GB
TS256GESD400K	256GB
TS512GESD400K	512GB
TS1TESD400K	1TB

*Performance varies by capacity, user hardware, and system configuration.