#### SATA III M.2 SSDs





### MTS400 & MTS400I

Transcend's MTS400 with SATA III 6Gb/s interface and ultra compact dimensions make it best suited to address the high-performance needs and strict size limitations of small form factor devices. This means it is perfect for use in today's modern ultrabooks, thin and light notebooks, and tablets. Built with the latest SATA III 6Gb/s specifications, and with a powerful controller and exceptional transfer speeds, the M.2 SSD easily handles everyday computing tasks as well as demanding multimedia applications.

Transcend also offers the MTS400I with wide temperature (-40°C ~ 85°C) capabilities to ensure sustained functionality, enhanced endurance and optimal reliability in mission-critical applications.

# **Technologies**



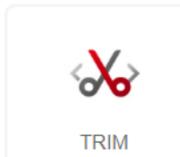


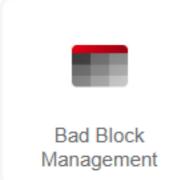


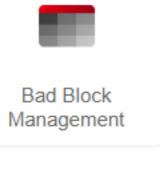


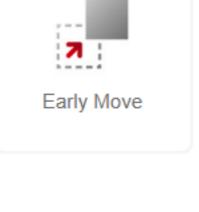












#### Built-in BCH ECC (Error Correction Code) functionality

Firmware Features

- · Advanced Global Wear-Leveling and Block management for reliability
- · Advanced Garbage Collection
- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
- TRIM command for better performance · NCQ command for better performance
- Full drive encryption with Advanced Encryption Standard (AES) (optional) · Power-saving DevSleep (Device Sleep) mode
- Hardware Features
  - Space-saving M.2 form factor (42mm) ideal for mobile computing devices
  - DDR3 DRAM Cache embedded

· Compliant with RoHS 2.0 standards

- MLC NAND flash Promised operational reliability in a wide temperature range (from -40°C to 85°C)
- · Supports Transcend Scope Pro software

## Software Solutions



Transcend

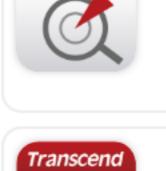
Improve your control by easily managing devices at anytime from edge to cloud.

Management

**Control Center** 

Security ATA Security Toolbox

Secure your data in just a few easy steps.



42.0 mm x 22.0 mm x 3.58 mm (1.65" x 0.87" x 0.14")

Transcend

Scope Pro Manage / analyze data in real time and capture

more of your market.

Monitor

Rescue

One Touch Recovery Rescue your data with a click to create a reliable and robust environment.

## Specifications

## Dimensions

Weight

Storage

Flash Type

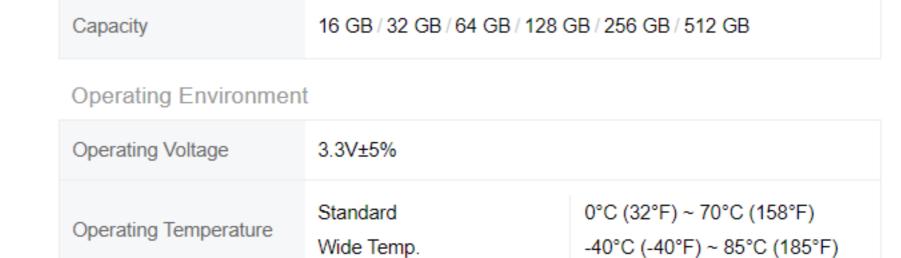
Performance

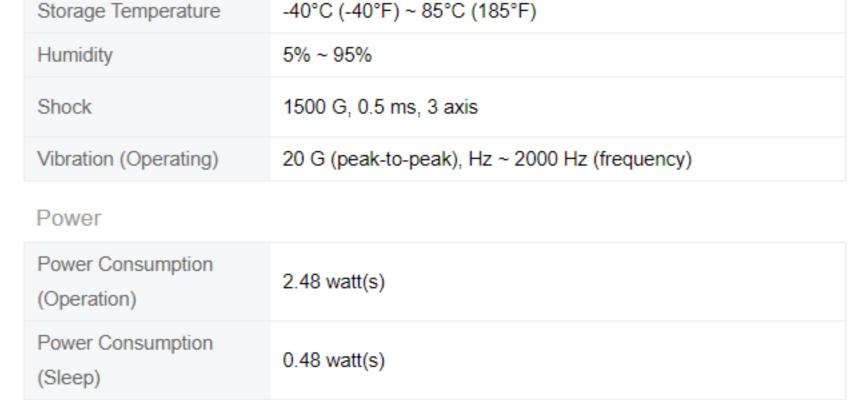
Appearance

| Form Factor   | M.2                        |
|---------------|----------------------------|
| M.2 Type      | 2242-D2-B-M (Double-sided) |
| Interface     |                            |
| Bus Interface | SATA III 6Gb/s             |
|               |                            |

5 g (0.18 oz)

MLC NAND flash





| Sequential Read/Write<br>(CrystalDiskMark) | Read: up to 530 MB/s Write: up to 470 MB/s   |
|--|--|
| 4K Random Read/Write (IOmeter)             | Read: up to 70,000 IOPS Write: up to 70,000 IOPS   |
| Mean Time Between<br>Failures (MTBF)       | 2,500,000 hour(s)  |
| Terabytes Written (TBW)                    | up to 1,100 TBW  |
| Drive Writes Per Day<br>(DWPD)             | 2 (3 yrs)  |
| Note                                       | <ul> <li>Speed may vary due to host hardware, software, usage, and storage capacity.</li> <li>The workload used to rate DWPD may be different from your actual workload, which may vary due to host hardware,</li> </ul> |

|             | <ul> <li>software, usage, and storage capacity.</li> <li>Terabytes Written (TBW) expresses the endurance under<br/>the highest capacity.</li> </ul> |
|-------------|---|
| Warranty    |   |
| Certificate | CE/FCC/BSMI   |
| Warranty    | Three-year Limited Warranty   |

Warranty Policy.

Warranty Policy

|   | γ · · · · · · · · · · · · · · · · · · ·                     |
|---|---|
|   | platforms and under all scenarios. For special applications |
|   | and environments, it is strongly suggested that you contact |
|   | Transcend beforehand for clarification.                     |
| • | Scope Pro software is required by request. Please contact   |
|   | us for more information.                                    |

indicator displays 0% within the warranty coverage.

Please click here for more information about the Transcend

· Warranty does not apply when Scope Pro software wear-out

· Due to the complexity and variety of industrial applications,

Transcend cannot guarantee 100% compatibility with all

64GB

512GB

TS64GMTS400

TS64GMTS400I

TS512GMTS400

TS512GMTS400I

# TS16GMTS400I

**Order Information** 

TS16GMTS400

16GB

128GB TS128GMTS400 TS128GMTS400I

**Product Sheet** 

View or download the product sheet for

detailed product and ordering

information.

TS256GMTS400I

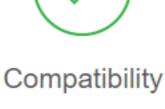
256GB

32GB

TS32GMTS400

TS32GMTS400I

TS256GMTS400



Check the compatibility of your

Transcend product with your computer system or electronic devices.



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Agree

Disagree

