



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TRANSCEND TS4GSDOM22V. You'll find the answers to all your questions on the TRANSCEND TS4GSDOM22V in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual TRANSCEND TS4GSDOM22V  
User guide TRANSCEND TS4GSDOM22V  
Operating instructions TRANSCEND TS4GSDOM22V  
Instructions for use TRANSCEND TS4GSDOM22V  
Instruction manual TRANSCEND TS4GSDOM22V

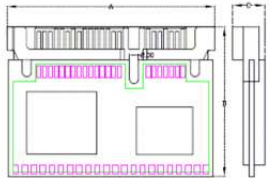
## TS128M-8GSDOM22V

## 22P Vertical Type SATA Flash Modules

### Description

Serial-ATA is designed as a successor to the legacy SATA standard. The new standard is dedicated to achieve higher transfer rate with thinner cables and more reliable operation than Parallel ATA interface. With a 7P Signal + 15P Power SATA interface, high speed and low power consumption, SATA Flash Modules is perfect replacement storage device for PCs, Laptops, gaming systems, and handheld devices.

### Placement



### Features

- RoHS compliant
- Fully compatible with devices and OS that support the SATA 1.0a 1.5Gbps standard
- Non-volatile Flash Memory for outstanding data retention
- Supports up to Ultra DMA Mode 4
- Built-in ECC (Error Correction Code) functionality and wear-leveling algorithm ensures highly reliable of data transfer
- 7P Signal + 15P Power male SATA connector
- Lower Power Consumption
- Shock resistance

### Dimensions

Side	Millimeters	Inches
A	45.80 ± 0.40	1.803 ± 0.016
B	33.00 ± 0.50	1.299 ± 0.020
C	7.08 ± 0.20	0.279 ± 0.008



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**Manual abstract:**

With a 7P Signal + 15P Power SATA interface, high speed and low power consumption, SATA Flash Modules is perfect replacement storage device for PCs, Laptops, gaming systems, and handheld devices. . . . 22P Vertical Type SATA Flash Modules Features . . . RoHS compliant Fully compatible with devices and OS that support the SATA 1.0a 1.5Gbps standard Non-volatile Flash Memory for outstanding data retention Supports up to Ultra DMA Mode 4 Built-in ECC (Error Correction Code) functionality and wear-leveling algorithm ensures highly reliable of data transfer 7P Signal + 15P Power male SATA connector Lower Power Consumption Shock resistance Placement . . Dimensions Side A B C Millimeters 45.80 ± 0.40 33.00 ± 0.50 7.08 ± 0.20 Inches 1.803 ± 0.016 1.299 ± 0.020 0.279 ± 0.009

008 Transcend Information Inc. 1 V1.4 TS128M-8GSDOM22V Specifications Physical Specification Form Factor Storage Capacities Length Dimensions (mm) Width Height Input Voltage Weight Connector 22P Vertical Type SATA Flash Modules SATA Flash Modules Vertical Type 128M~8GB 45.80 ± 0.40 33.00 ± 0.50 7.08 ± 0.20 5V ± 10% / 3.3V ± 5% 8g SATA 7+15 pins combo connector Environmental Specifications Operating Temperature Storage Temperature 0 to 70 - 40 to 85 Humidity Operating Humidity (Non condensation) Storage Humidity (Non condensation) 0% to 95% 0% to 95% Power Requirements Input Voltage 4GB SATA Flash Modules Power Consumption (DC 5V @25) Mode Write Read Standby 5V ± 10% MAX (mA) 207.3 212.2 111.8 Transcend Information Inc. 2 V1.4 TS128M-8GSDOM22V 22P Vertical Type SATA Flash Modules Reliability Data Reliability Data Retention Connector Durability 13bit BCH ECC(2k+64 / 4k+128 byte per page flash) 24bit BCH ECC(4k+208 byte per page flash) 10 years 500 times Performance Model P/N 1GB SATA Flash Module 2GB SATA Flash Module 4GB SATA Flash Module Read (KB/s) 29248 45249 48165 Write (KB/s) 14002 20317 22750 Random Read (KB/s) 28116 40748 44579 Random Write (KB/s) 5209 7064 6592 \* Note : 25 , according to 7+15 pins combo connector test on GA-8IG1000MK, 256 MB RAM, IDE interface support UDMA4, Windows XP Version 2002 SP2, benchmark utility HDBENCH (version 3.

4006), copied file 100MB ® Actual Capacity Model P/N TS512MSDOM22V TS1GSDOM22V TS2GSDOM22V TS4GSDOM22V TS8GSDOM22V Capacity 512MB 1GB 2GB 4GB 8GB C/H/S 971 / 16 / 63 1966 / 16 / 63 3900 / 16 / 63 7785 / 16 / 63 15538 / 16 / 63 Capacity 477MB 967MB 1.87GB 3.73GB 7.46GB User capacity (Bytes) 500,432,896 1,014,333,440 2,008,801,280 4,009,922,560 8,016,560,128 \* Note: FAT format for <4GB, FAT32 format for 4~8GB Regulations Compliance CE, FCC and BSMI (T.B.D.) Transcend Information Inc. 3 V1.4 TS128M-8GSDOM22V Mechanical Drawing 22P Vertical Type SATA Flash Modules Top View Lateral View Transcend Information Inc. 4 V1.4 TS128M-8GSDOM22V Pin Assignments Pin No. 01 03 05 07 09 11 13 15 17 19 21 Pin Name GND ABGND NC GND GND 5V GND GND NC Pin No. 22 23 24 25 26 27 28 29 30 @ @ 2.97 VCC 0.8 Max.

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