



The Smart Alternative  
to Hard Drives



## 2.5" SATA & IDE SSD

Solid State Disks

Transcend's 2.5-inch Solid State Disks (SSD) are ultra-lightweight, shock proof, power-saving alternatives to traditional hard disk drives.

Their standard 2.5" dimensions and modern SATA-II / IDE interface ensure 100% compatibility with normal hard drives for easy drop-in installation.

With no moving parts, Transcend's 2.5" SSDs are completely silent, do not generate any heat, and are virtually immune to vibration and shock, making them perfect for use in ultra-lightweight portable notebooks or industrial applications.



**No** noise, **No** heat, **No** moving parts.



# 2.5" SATA & IDE SSD

Solid State Disks



## FEATURES

- Ultra-fast data access rates of under 1ms
- Standard 2.5" HDD dimensions with 50% weight-savings (SATA version)
- Easy drop-in replacement for regular hard drives – no driver required
- SATA and IDE interface for compatibility with modern PCs and notebooks
- Robust, non-volatile Flash memory with wear-leveling technology
- Built-in ECC (Error Correction Code) to ensure reliable data-transfer
- 50% lower power consumption and less heat generation
- Zero spin-up / seek time
- Silent operation (no moving parts)
- Faster boot-up and smoother software application performance
- Shock and vibration resistant
- 2 year warranty

## SPECIFICATIONS

<b>Size</b>	SATA: 100mm x 69.85mm x 9.5mm IDE: 100mm x 69.85mm x 7.4mm
<b>Weight</b>	48g (SATA), 80g (IDE)
<b>Capacity</b>	8GB, 16GB, 32GB, 64GB
<b>Operating voltage</b>	5V DC
<b>Interface / connector</b>	SATA: 7-pin + 15-pin IDE: 44-pin
<b>Operating temperature</b>	0°C (32°F) to 70°C (158°F)
<b>Power consumption</b>	1W (active) 0.6W (idle)
<b>Access speed</b>	less than 1ms
<b>Transfer rate (max)</b>	SATA: 119MB/s (read) , 64MB/s (write) IDE: 56MB/s (read) , 40MB/s (write)
<b>Audible noise</b>	0dB
<b>Operating shock resistance</b>	1,500G
<b>Certificates</b>	CE, FCC, BSMI

## Transcend 64GB 2.5" SATA SSD vs. 2.5" 5,400rpm HDD

<b>Avg. transfer rate (read)</b>	SSD: 119MB/s HDD: 45MB/s
<b>Latency Time</b>	SSD: 0 ms HDD: 5 ms
<b>Access Time</b>	SSD: 0.2 ms HDD: 12 ms
<b>Acoustics (Active)</b>	SSD: 0 dB HDD: 25 dB
<b>Power Consumption (Active)</b>	SSD: 1.0 W HDD: 2.0 W
<b>Operating Temp Range</b>	SSD: 0°C ~70°C HDD: 5°C ~55°C
<b>Shock (Operating)</b>	SSD: 1,500 G HDD: 325 G
<b>Vibration (Operating)</b>	SSD: 3G (5-800Hz) HDD: 1G (5-500Hz)
<b>Weight</b>	SSD: 48 g HDD: 100 g

## Key Benefits



Power Saving



Easy to install in PCs and notebooks



50% lighter than conventional hard drives (SATA version)



Faster OS boot-up and data access time



Shock and vibration resistant

