

## Datavideo 1TB SSD Drive

**ProdCode: DATASATA1TB**

SATA 1TB SSD Drive



[\[Download Images\]](#) (.zip file)

### Features

- SATA 1TB SSD Drive
- Capacity: 1,000 GB (1 GB=1 Billion byte by IDEMA)  
\* Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)
- Form Factor: 2.5 inch
- Interface: SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & SATA 1.5 Gb/s interface
- Dimension (WxHxD): 100 X 69.85 X 6.8 (mm)
- Weight: Approx. 45.0g Weight
- Storage Memory: Samsung V-NAND 3bit MLC
- Controller: Samsung MKX Controller
- Cache Memory: Samsung 1 GB Low Power DDR4 SDRAM

### Performance

- Sequential Read: Up to 560 MB/s Sequential Read  
\* Performance may vary based on system hardware & configuration

- Sequential Write: Up to 530 MB/s Sequential Write
  - \* Performance may vary based on system hardware & configuration
  - \*\* Measured with Intelligent TurboWrite technology being activated
- Random Read (4 KB, QD32): Up to 98,000 IOPS Random Read
  - \* Performance may vary based on system hardware & configuration
  - \*\* Measured with Intelligent TurboWrite technology being activated
- Random Write (4KB, QD32): Up to 88,000 IOPS Random Write
  - \* Performance may vary based on system hardware & configuration
  - \*\* Measured with Intelligent TurboWrite technology being activated
- Random Read (4 KB, QD1): Up to 13,000 IOPS Random Read
  - \* Performance may vary based on system hardware & configuration
  - \*\* Measured with Intelligent TurboWrite technology being activated
- Random Write (4 KB, QD1): Up to 36,000 IOPS Random Write
  - \* Performance may vary based on system hardware & configuration
  - \*\* Measured with Intelligent TurboWrite technology being activated

## Environment

- Average Power Consumption (system level): Average: 2.5 W
    - \*Maximum: 4.0 W (Burst mode)\* Actual power consumption may vary depending on system hardware & configuration
  - Power consumption (Idle): Max. 30 mW
    - \* Actual power consumption may vary depending on system hardware & configuration
  - Allowable Voltage: 5V ± 5% Allowable voltage
  - Reliability (MTBF): 1.5 Million Hours Reliability (MTBF)
  - Operating Temperature: 0 - 70 °C Operating Temperature
  - Shock: 1,500 G & 0.5 ms (Half sine)
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## Need Further Support?

If you have any questions or require additional support regarding this product release, please do not hesitate to contact us. Our team is here to assist you with any inquiries or provide further information or marketing collateral as needed.

## Contact Us:

- Marketing - [marketing@holdan.co.uk](mailto:marketing@holdan.co.uk)
- Sales - [sales@holdan.co.uk](mailto:sales@holdan.co.uk)
- Technical Enquiries - [techsales@holdan.co.uk](mailto:techsales@holdan.co.uk)
- Request Demo product loans - [demo@holdan.co.uk](mailto:demo@holdan.co.uk)

We value your partnership and are committed to ensuring a successful product launch.  
Thank you for your continued support.