



## 2.5-inch SATA Enterprise SSD, 960GB

Reliable, Enterprise SSD for server and cloud storage



Data processing at the edge demands rapid access to information where quick decision-making is imperative. The enhanced speed of DIGISTOR's Enterprise SSD series facilitates quicker data retrieval and application loading, efficiently delivering real-time insights.

Resistant to vibration and shock with DWPD rating for read-intensive applications, this drive enhances system reliability and minimizes the risk of data loss, making it well-suited for dynamic and challenging operational scenarios.

### Features

Form Factor: 2.5-inch SSD

Capacity: 960GB

### Interface

SATA Gen 3

SATA Revision 3.2

### Flash

Type: Kioxia BiCS5 cTLC

Flash Transfer Rate: up to 533 MT/s

Memory: Support 3D TLC NAND Flash Memory

### Temperature Range:

Operating: 0°C to 70°C

Storage: -40°C to 85°C

### Performance

Sequential Read: 530 MB/s

Sequential Write: 500 MB/s

4K Random Read: 98K IOPS

4K Random Write: 42K IOPS

8K Random Read: 55K IOPS

8K Random Write: 21K IOPS

### Power Consumption

Active Read (typ.): 2.3 W

Active Write (typ.): 3.2 W

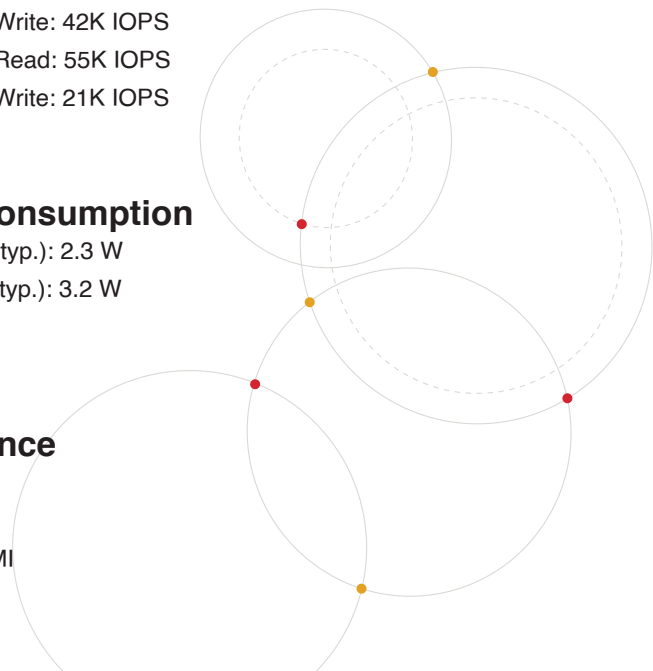
Idle: 1.3 W

### Compliance

TAA

RoHS

CE/FCC/BSMI



## Reliability

MTBF: 1.5 million hours

UBER: < 1 sector per 10<sup>17</sup> bits read

Power On/Off Cycles: 24 times per day

DWPD (5 year): 1

TBW: 1725TB

LDPC ECC & RAID ECC: 130bits/2Kbyte

DDR ECC engine

## Environmental Conditions

Commercial grade temperature and humidity test

Shock: 1500G/0.5ms

Vibration: 20Hz~80Hz/1.52mm 80Hz~2000Hz/20G

Drop: 80cm height/each face

Thermal cycling: -40oC-85oC/1000 cycles with 50% cumulative failure. (IPC-9701)

## Peripheral

HW Pfail: Support Aluminum Capacitor

## Part Number

DIG-SSD296013

## Specifications

| Feature                       | Specification                                                                                                                                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                   | DIG-SSD296013                                                                                                                                                                                                                      |
| Product Name                  | 2.5-inch SATA Enterprise SSD, 960GB                                                                                                                                                                                                |
| SATA Speed                    | up to 6 Gbps                                                                                                                                                                                                                       |
| Supports S.M.A.R.T. disk info | Yes                                                                                                                                                                                                                                |
| Dimensions                    | 3.94" x 2.75" x 0.28" (100mm x 69.85mm x 7mm)                                                                                                                                                                                      |
| Warranty                      | DIGISTOR provides a 5-year limited warranty for this product.                                                                                                                                                                      |
| Technical Support             | Your investment in DIGISTOR products is backed up by our free technical support for the lifetime of the product. If you need to contact us for any reason, visit <a href="https://digistor.com/support">digistor.com/support</a> . |

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