



## SSD Utility Management Software

The SSD Utility management software was designed to help your KIOXIA drive thrive and lets you be in control of maintenance, monitoring and more!

We highly recommend you install and update to the latest version to maximize your drive's performance and check its Percentage Life Left using the health gauge.

[> SSD Utility Management Software](#)

## EXCERIA SSD Product Specifications

### Capacity / dimensions

#### Capacity

250GB, 500GB, 1TB

#### Form Factor

M.2 Type 2280-52-M

#### Interface

PCI Express® Base Specification Revision 3.1a (PCIe®)

#### Flash Memory type

BICS FLASH™ TLC

#### Interface Maximum Speed

32 GT/s (PCIe® Gen3x4L)

#### Dimension (Max: LxWxH)

80.15 x 22.15 x 2.23 mm

#### Interface Command

NVM Express™ Revision 1.3c command set

#### Weight

250GB: 6.0 g (typ.)  
500GB, 1TB: 6.9 g (typ.)

### Performance

#### Max Sequential Read Speed<sup>1</sup>

1,700 MB/s

#### Max Sequential Write Speed<sup>1</sup>

250GB: 1,200 MB/s  
500GB, 1TB: 1,600 MB/s

#### Max Random Read Speed<sup>2</sup>

250GB: 200,000 IOPS  
500GB, 1TB: 350,000 IOPS

#### Max Random Write Speed<sup>2</sup>

250GB: 290,000 IOPS  
500GB, 1TB: 400,000 IOPS

#### Endurance: TBW (Total Bytes Written)<sup>3</sup>

250GB: 100 TB  
500GB: 200 TB  
1TB: 400 TB

#### MTTF

1.5 million hours

### Operating environment / protection performance

#### Operating Temperature

0 °C (Ta) to 85 °C (Tc)

#### Storage Temperature

-40 °C to 85 °C

#### Certification

RoHS compliant<sup>4</sup>

#### Shock Resistance

9,806 km/s<sup>2</sup> (1,000 G) 0.5 ms half sine wave

#### Vibration

196 m/s<sup>2</sup> (20 G) Peak, 10–2,000 Hz, (20 min / Axis) x 3 Axis

#### Supply Voltage

3.3 V ±5 %

#### Power Consumption

PS3: 50 mW (typ.)  
PS4: 5 mW (typ.)

#### Power Consumption (Active)

250GB: 3.8 W (typ.)  
500GB: 3.9 W (typ.)  
1TB: 5.3 W (typ.)

### Compatibility