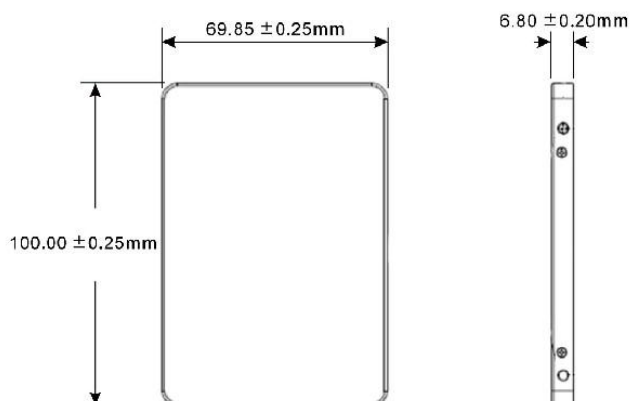


# Black Diamond Series INDUSTRIAL SSD

## Specifications

|                       |                                         |                                                                                            |
|-----------------------|-----------------------------------------|--------------------------------------------------------------------------------------------|
| Appearance            | Dimensions                              | 100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.27")                                         |
|                       | Weight                                  | 54 g (1.90 oz)                                                                             |
|                       | Form Factor                             | 2.5"                                                                                       |
| Interface             | Bus Interface                           | SATA III 6Gb/s                                                                             |
| Storage               | Capacity                                | 64 GB / 128 GB / 256 GB / 512 GB / 1 TB / 2 TB / 4 TB                                      |
|                       | Flash Type                              | 3D NAND flash                                                                              |
| Operating Environment | Operating Voltage                       | 5V±5%                                                                                      |
|                       | Operating Temperature                   | Normal Temp. : 0°C ~ 70°C<br>Middle Rang Temp. : -20°C ~ 75°C<br>Wide Temp. : -40°C ~ 85°C |
|                       | Storage Temperature                     | -55°C (-67°F)~85°C (185°F)                                                                 |
|                       | Humidity                                | 5% ~ 95%                                                                                   |
|                       | Shock                                   | 1500 G, 0.5 ms, 3 axis                                                                     |
|                       | Vibration (Operating)                   | 20 G (peak-to-peak), 7 Hz ~ 2000 Hz (frequency)                                            |
| Power                 | Power Consumption (Operation)           | 3.3 watt(s)                                                                                |
|                       | Power Consumption (Sleep)               | 0.5 watt(s)                                                                                |
| Performance           | Sequential Read/Write (CrystalDiskMark) | Read: up to 560 MB/s<br>Write: up to 550 MB/s                                              |
|                       | 4K Random Read/Write (IOMeter)          | Read: up to 90,000 IOPS<br>Write: up to 85,000 IOPS                                        |
|                       | Mean Time Between Failures (MTBF)       | 3,000,000 hour(s)                                                                          |
|                       | Terabytes Written (TBW)                 | up to 1,760 TBW                                                                            |
|                       | Drive Writes Per Day (DWPD)             | 1.62 (4 yrs)                                                                               |
| Warranty              | Certificate                             | CE / FCC / UKCA                                                                            |
|                       | Warranty                                | 4-years Warranty                                                                           |

## Mechanical Dimensions



Product specifications are subject to change without notice. Pictures shown may differ from actual products. Total accessible capacity varies depending on operating environment. Due to the complexity and variety of industrial applications, KingFast cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact KingFast beforehand for clarification.