



## 2.5" SATA SSD 3TE7

### HIGHLIGHT FEATURES

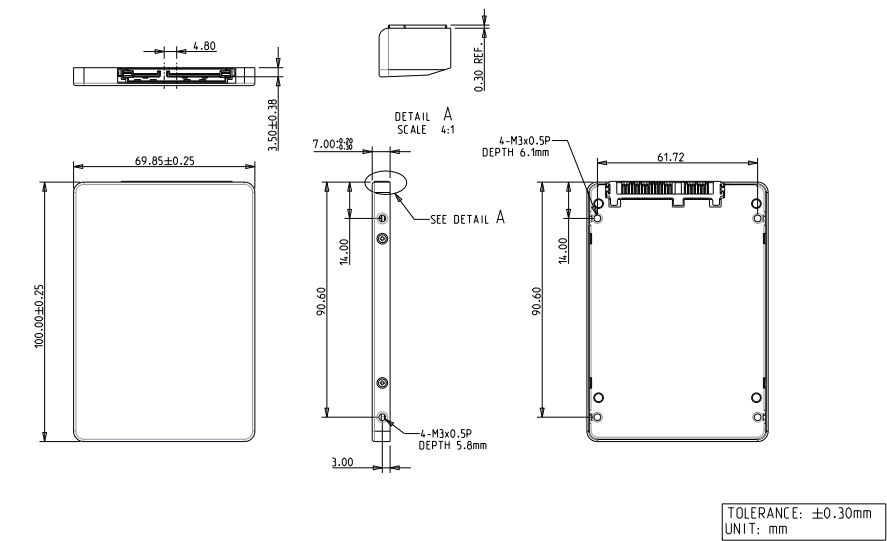
- 2.5" SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- iPower Guard for protecting unstable start up and shut down.
- iData Guard for abnormal power failure
- Supports wide temperature from -40°C to 85°C

### SPECIFICATIONS

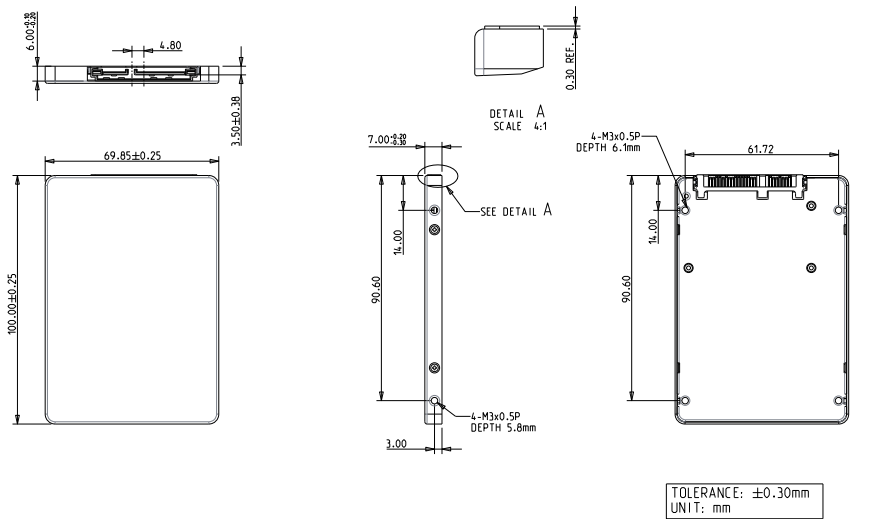
|                                 |                    |
|---------------------------------|--------------------|
| Model Name                      | 2.5" SATA SSD 3TE7 |
| Flash Type                      | 3D TLC             |
| Interface                       | SATA III 6.0 Gb/s  |
| Form Factor                     | 2.5" SSD           |
| Capacity                        | 32GB ~ 2TB         |
| Sequential R / W (MB/sec, max.) | 560 / 500          |
| P/E Cycle                       | 3,000              |
| TBW (Max.)                      | 2,400              |
| Storage Temperature             | -40°C ~ 85°C       |
| Max. Power Consumption          | 2.1W               |
| Max. Channels                   | 4                  |
| External DRAM Buffer            | N                  |
| H/W Write Protect               | N                  |
| S.M.A.R.T.                      | Y                  |
| AES                             | Y (Optional)       |
| TCG Opal                        | N                  |
| Dimension (W x L x H/mm)        | 69.8 x 100.0 x 6.8 |
| Vibration                       | 20G@[7 ~ 2000Hz]   |
| Shock                           | 1500G@0.5ms        |
| MTBF                            | >3 million hours   |
| Warranty                        | 3 Years            |

DIAGRAM

Full PCB



Slim inside



ORDER INFO.

| Operating Temperature | Standard Grade (0°C ~ 70°C) | Industrial Grade (-40°C ~ 85°C) |
|-----------------------|-----------------------------|---------------------------------|
| 32GB                  | DES25-32GDK1EC3SF           | DES25-32GDK1EW3SF               |
| 64GB                  | DES25-64GDK1%C*&F           | DES25-64GDK1%W*&F               |
| 128GB                 | DES25-A28DK1%C*&F           | DES25-A28DK1%W*&F               |
| 256GB                 | DES25-B56DK1%C*QF           | DES25-B56DK1%W*QF               |
| 512GB                 | DES25-C12DK1%C*QF           | DES25-C12DK1%W*QF               |
| 1TB                   | DES25-01TDK1%C*QF           | DES25-01TDK1%W*QF               |
| 2TB                   | DES25-02TDK1KCCQF           | DES25-02TDK1KWCQF               |

%: E : 64 layers 3D TLC / K : 112 layers 3D TLC  
\*: PCB version control  
&. S : 1 channel / D : 2 channels / Q : 4 channels

