

## Internal SSD 2.5" SATA III (Consumer Grade)

### Technical/performance specs

|                                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Capacity</b>                   | <ul style="list-style-type: none"> <li>120GB, 240GB, 480GB, 960GB</li> <li>128GB, 256GB, 512GB, 1TB</li> </ul> |
| Form factor                       | Internal 2.5"                                                                                                  |
| Interface                         | SATA III                                                                                                       |
| Flash type                        | TLC /QLC                                                                                                       |
| Performance                       | Read up-to - 550mbps<br>Write up-to - 500mbps                                                                  |
| MTBF                              | More than 2000000 hrs                                                                                          |
| Temperature range                 | <ul style="list-style-type: none"> <li>Operation: 0°C ~ 70°C</li> <li>Storage: -40°C ~ 85°C</li> </ul>         |
| RoHS compliant                    | Yes                                                                                                            |
| Humidity                          | RH 90% under 40 Degree C (Operational), Conditions Given Below                                                 |
| EMI Compliances                   | FCC: CISPR22 ; CISPR32, CE: EN55022 ; EN55032, BSMI 13438                                                      |
| Certifications                    | RoHS, SATA III (SATA Rev. 3.2)<br>& up to ATA/ATAPI-8 (Including S.M.A.R.T)                                    |
| Supply Voltage                    | Operating Voltage: Rating – 5V, Range - ~5%                                                                    |
| Advanced Device Security Features | Secure Erase & Write Protect                                                                                   |
|                                   |                                                                                                                |

### High Temperature test condition

|                  | Temperature | Humidity | Test Time |
|------------------|-------------|----------|-----------|
| <b>Operation</b> | 70 Deg.     | 0% RH    | 72 Hrs    |
| <b>Storage</b>   | 85 Deg.     | 0% RH    | 72 Hrs    |

**Result:** No any abnormality detected

### Low Temperature test condition

|                  | Temperature | Humidity | Test Time |
|------------------|-------------|----------|-----------|
| <b>Operation</b> | 0 Deg.      | 0% RH    | 72 Hrs    |
| <b>Storage</b>   | -40 Deg.    | 0% RH    | 72 Hrs    |

**Result:** No any abnormality detected

### High Humidity test condition

|                  | Temperature | Humidity | Test Time |
|------------------|-------------|----------|-----------|
| <b>Operation</b> | 40 Deg.     | 90% RH   | 4 Hrs     |
| <b>Storage</b>   | 40 Deg.     | 93% RH   | 72 Hrs    |

**Result:** No any abnormality detected