

## Specification

|                          |   |         |         |
|--------------------------|---|---------|---------|
| Model                    | YSITXXX-S320 2242   |         |         |
| Dimensions               | M.2 2242, L42.0mm * W22.0mm * H3.5mm Error±0.15mm                               |         |         |
| Interface                | M.2 B&M Key   |         |         |
| Protocol                 | SATA III (6Gb/s)- with backwards compatibility to SATA II (3Gb/s)               |         |         |
| Supported Systems        | Windows 7,Windows 8,Windows 10,Windows Server 2012 R2,RHEL, CentOS,Ubuntu,Linux |         |         |
| Capacity                 | 64GB  | 128GB   | 256GB   |
| NAND Flash               | 2D MLC  | 2D MLC  | 2D MLC  |
| Sequential Read (MB/s)   | 250~300   | 450~500 | 500~550 |
| Sequential Write (MB/s)  | 70~130  | 150~200 | 250~300 |
| TBW                      | 185TB   | 375TB   | 750TB   |
| 4K Random read(IOPS)     | 31110(Max)  |         |         |
| 4K Random write(IOPS)    | 61340(Max)  |         |         |
| Input voltage            | DC 3.3V±5%  |         |         |
| Power consumption Idle   | 0.22W(Max)  |         |         |
| Power consumption Active | 1.89W(Max)  |         |         |
| Data retention           | 10 years below 25 degree  |         |         |
| MTBF                     | 2 million hours   |         |         |
| ECC                      | Hardware BCH ECC capable of correcting errors up to 66-bit/1KB                  |         |         |
| Features                 | System automatic bad block management   |         |         |
| Operating Temp.          | 0°C~70°C  |         |         |
| Storage Temp.            | -40°C ~ 85°C  |         |         |
| Humidity                 | 5-95%   |         |         |



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