



# Enterprise U.2 SSD

## Product features:

- PCIe Gen5x4
- Surprise insertion / surprise removal (SISR) and hot- plug capable
- Advanced LDPC error correction
- Global static and dynamic wear leveling
- Controller: SMI SM8366
- DRAM: DDR4
- Flash: 3D TLC
- UBER: <1 sector per  $10^{17}$  bits read
- MTBF: 2.0 million hours
- Mechanical form factor: 100.5 mm x 69.85 mm x 14.8 mm

## Detailed specifications

Edition	Standard			Pro	
Capacity	7680GB	15360GB	30720GB	7680 GB	15360GB
PN	S7T68P501	S15T3P501	S30T7P501	S7T68P501-P	S15T3P501-P
Parameter					
Sequential Read (128KB)	14,100 MB/s	14,100 MB/s	9,020 MB/s	14,100 MB/s	12,900 MB/s
Sequential write (128KB)	9,385 MB/s	9,385 MB/s	6,845 MB/s	9,385 MB/s	7,825 MB/s
Random read (4KB)	3,231,000 IOPS	3,070,000 IOPS	1,532,000 IOPS	3,187,000 IOPS	2,172,000 IOPS
Random write (4KB)	332,000 IOPS	326,000 IOPS	155,000 IOPS	824,000 IOPS	667,000 IOPS
TWB	8,320 TB	16,640 TB	33,280 TB	13,760 TB	27,520 TB
Operating temperature	0–70 °C				
Storage temperature	-40–85 °C				
Power supply voltage range	12.0 V ± 10%				
DWPD	1			1	