

## K-Series SSD Specification

### General

	K5	K6
<b>Model</b>	2.5 inches SSD	
<b>Interface</b>	SATA-II (3Gbps)	
<b>Flash Type</b>	SLC	MLC
	32GB (K5-32)	32GB (K6-32)
	64GB (K5-64)	64GB (K6-64)
<b>Capacity</b>	128GB (K5-128)	128GB (K6-128) 256GB (K6-256)

### Performance

	K5	K6
<b>Host Transfer Rate</b>	3Gbps (300MB/s)	3Gbps (300MB/s)
<b>Maximum Sequential Read Rate</b>	240MB/s	200MB/s
<b>Maximum Sequential Write Rate</b>	170MB/s	160MB/s
<b>Read IOPS</b>	7500	6700
<b>Write IOPS</b>	7000	3000

### Electrical

<b>Voltage</b>	5V ±5%
<b>Active</b>	Max 2W
<b>Idle</b>	Max 0.5W
<b>Stanby</b>	Max 0.3W
<b>Sleep</b>	Max 0.3W

### Reliability

<b>S.M.A.R.T Support</b>	Yes
<b>MTBF</b>	2,000,000 Hours

### Environment

<b>Temperature</b>	
<b>Operating</b>	0°C to 70°C
<b>Non-Operating</b>	-55°C to 95°C
<b>Operating</b>	1500G, ( @ 0.5msec half sine wave )
<b>Non-Operating</b>	1500G, ( @ 0.5msec half sine wave )
<b>Vibration</b>	20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis
<b>Humidity</b>	0°C to 55°C / 90~95% RH

### Physical

<b>Length</b>	100mm
<b>Width</b>	70mm
<b>Height</b>	9.5mm
<b>Weight</b>	72g

NOTE : 1 megabyte (MB) = 1 million bytes; 1 gigabyte (GB) = 1 billion bytes