



SSD

PCIe® 4.0 x4 NVMe™ M.2
with NAND FLASH



FEATURES

Power your intense creative workloads with NVMe™.

Valuable Gen4 performance is here. PCIe® Gen 4.0 x4 NVMe™ M.2 delivering impressive speed with sequential reads/writes up to 5000/4800 MB/s

SPECIFICATIONS

SUMMARY	Interface	PCIe Gen 4.0 x4 NVMe M.2		
CONNECTOR TYPE		75 PIN M.2		
PART NUMBER		234064	234065	234066
CHARACTERISTIC	Capacity	500GB	1TB	2TB
	Sequence read (MB/s)	5000		
	Sequence write (MB/s)	4400	4600	4800
	Random 4K QD32 Read (IOPS)	550K	580K	800K
	Random 4K QD32 Write (IOPS)	700K	800K	750K
	Sequential Read Saturation	Rated at a maximum speed of 7,100 MB/s, the drive saturates 88.75% of the port's maximum link capability		
	Write Saturation	Rated at a maximum speed of 6,000 MB/s, the drive utilizes 75.0% of the total port capacity during intensive data writes.		
STORAGE MEDIUM	NAND FLASH MEMORY			
ELECTRICAL SPECIFICATIONS	Input voltage	3.3V ±5%		
	Power consumption Read	<4.0W	<4.1W	<3.7W
	Power consumption Write	<3.8W	<4.0W	<4.6W
	Average Idle Power	<1.2W		
RELIABILITY	MTBF (hours)	1,500,000		
	Endurance (TBW)	584	1168	1000
TEMPERATURE RANGE	Operating temperature		0° to 70° C	
	Storage temperature	Minus 40° to plus 85° C		
MECHANICAL CHARACTERISTICS	Height	1.35mm max	1.35mm max	2.25mm max
	Width	22mm ±0.15mm		
	Length	80mm ±0.15mm		
	Weight	10 Gr (max)		
ENCRPTION SUPPORT	AES 256-bit Encryption (Class 0)TCG/Opal IEEE1667 (Encrypted drive)			