

## Enterprise Series SSD

- Adopts the latest BiCS5 112-layer 3D NAND Flash memory technology
- Optimized QoS to improve latency and stability
- Supports CoreGlacier™, DataDefender™ and End-to-End Data Protection technologies
- Supports AES 256-bit hardware encryption and Signed Firmware technology
- Supports advanced power protection technology to ensure data integrity under abnormal power supply conditions



Model Name	PV19E		PV16E			PV25E	ST18E	SV24E	
Interface	Gen4 x4		Gen4 x4			Gen4 x4	SATA III	SATA III	
NAND Flash Type	Hynix V6 eTLC		Kioxia BiCS5 eTLC			Kioxia BiCS5	Kioxia BiCS5	Kioxia BiCS5	
Form Factor	U.3		2280	22110	E1.S	2280	2.5"	2.5"	2280
Workload	Mixed Workload	Write intensive	Mixed Workload			Mixed Workload	Mixed Workload	Mixed Workload	
Capacity	1.92TB~ 15.36TB	1.6TB~ 12.8TB	480GB~ 1.92TB	480GB~ 3.84TB	480GB~ 3.84TB	480GB~ 3.84TB	480GB~ 7.68TB	240GB~ 1.92TB	
Seq. Read / Write Performance (MB/sec)	7000 / 6800		5500 / 2000			3715 / 3315	530 / 500	555 / 510	
Rnd. Read / Write Performance (MB/sec)	1600K/180K	1600K/480K	800K / 58K			577K / 666K	98K / 50K	95K / 80K	
DWPD	1 / 5y	3 / 5y	1.2 / 5y			1.2 / 5y	1 / 5y	1.32 / 5y	
Standard / Extended Operating Temperature (°C)	0°C ~ 70°C		0°C ~ 70°C			0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	
Latency (QD1)	Read: 90 µs Write: 15 µs		Read: 84 µs Write: 29 µs			Read: 91 µs Write: 93 µs	Read: 145µs Write: 25 µs	Read: 66 µs Write: 43µs	
Power Consumption	Idle: 8W Active: 25W		Idle: 3.36W Active: 11.55W			Idle: 1.07W Active: 6.16W	Idle: 1.3W Active: 3.3W	Idle: 0.47W Active: 2.96W	
Features	AES, TCG Opal, CorePower		AES, CorePower			AES, CorePower	AES, CorePower	AES, TCG Opal, CorePower	
Sidefill	No		Yes			Yes	No	Optional	Yes

