

Enterprise Series SSD

- Adopts the latest eTLC/TLC 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



AES



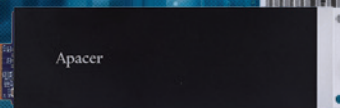
CorePower



TCG Opal 2.0



End-to-End
Data Protection



Model Name	PV19E		PV16E	PV93E		PV25E	ST18E	SV24E	
Interface	Gen4 x4		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	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	Mixed Workload	
Capacity	1.92TB~30.72TB	1.6TB~25.60TB	480GB~1.92TB	480GB~1.92TB	480GB~3.84TB	480GB~3.84TB	480GB~7.68TB	240GB~1.92TB	
Seq. Read / Write Performance (MB/sec)	7400 / 6800		5700 / 2200	7420/6540	7460/6415	3700/3485	530 / 500	555 / 510	
Sustain Rnd.Read/Write(IOPS)	1600k/200k	1700k/480k	774K / 59K	908K / 30K	926K/85K	116K/22K	97K/83K	96K/10K	
DWPD	1 / 5y	3 / 5y	1 / 5y	1 / 5y		1 / 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	0°C ~ 70°C	
Latency (QD1)	Read: 90 µs Write: 15 µs		Read: 84 µs Write: 29 µs	Read: 65 µs Write: 25 µs	Read: 65 µs Write: 9 µs	Read: 91 µs Write: 93 µs	Read: 145µs Write: 25 µs	Read: 110 µs Write: 24 µs	
Power Consumption	Idle: 8.5W Active: 25W		Idle: 3.36W Active: 11.55W	Idle: 1.96 W Active: 9.55 W	Idle: 2.01W Active: 10.96W	Idle: 1.07W Active: 6.16W	Idle: 1.3W Active: 3.3W	Idle: 0.5W Active: 2.0W	
Features	AES, TCG Opal, CorePower		AES, CorePower	AES, CorePower		AES, CorePower	AES, CorePower	AES, TCG Opal, CorePower	
Sidefill	NO		Yes	Yes		Yes	No	Optional	Yes

