Apacer

Professional SSD Products
PCIe SSD | SATA SSD

Features of Professional SSD Products

BOM Control
Fixed controller

Warranty
3 years

Sample Testing
Assuring full compatibility

After Service
RMA swap

Solutions and Benefits

• **Reduce Compatibility Risk**

Professional products are available in fixed controller, meaning compatibility issues can be reduced.

• **Long Operating Lifetime**

We choose trustworthy NAND flash, allowing you to get longer endurance and durability.

• **Cost Saving**

Low compatibility risk and high product reliability lead to lower RMA costs and lower product returns, while increasing customer satisfaction.

Target Customers & Applications

Kiosk

Value POS System

AIO Application

Entry Thin Client

Indoor Signage

Value NAS System

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2.5" SATA SSD

Interface	SATA 6Gb/s				
Form Factor	2.5-inch, 7mm				
Dimensions (mm)	100 x 69.85 x 6.9				
NAND Flash Type	3D TLC				
Model	PPSS25				
Standard Part	AP128GPPSS25	AP256GPPSS25	AP512GPPSS25	AP1TPPSS25	AP2TPPSS25A
Capacity	128GB	256GB	512GB	1TB	2TB
Sequential Read (MB/s)	550	560	560	560	560
Sequential Write (MB/s)	370	450	480	510	510
Random Read IOPS (4K)	44,000	87,000	87,000	87,000	48,000
Random Write IOPS (4K)	18,000	28,000	67,000	67,000	66,000
Terabytes Written (TBW)	75	180	328	825	3465
MTBF	>2 million hours				
Warranty*	3 years Limited				

PCIe Module

Interface	PCIe G3 ×4 、 NVMe 1.3			
Form Factor	M.2 2280-S2-M			
Dimensions (mm)	80 x 22 x 2.15			
NAND Flash Type	3D TLC			
Model	PP3480			
Standard Part	AP256GPP3480	AP512GPP3480	AP1TPP3480	AP2TPP3480
Capacity	256GB	512GB	1TB	2TB
Sequential Read (MB/s)	2,300	2,400	2,450	2,450
Sequential Write (MB/s)	1,100	1,700	2,000	2,000
Random Read IOPS (4K)	360,000	360,000	360,000	260,000
Random Write IOPS (4K)	130,000	190,000	240,000	180,000
Terabytes Written (TBW)	200	400	800	1600
MTBF	>2 million hours			
Warranty*	3 years Limited			

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PCIe Module

Interface	PCIe G4 ×4、NVMe 1.4				
Form Factor	M.2 2280 single side, M key				
Dimensions (mm)	22.00 x 80.00 x 2.35(max.)				
NAND Flash Type	3D TLC				
Model	PB4480				
Standard Part	AP256GPB4480	AP512GPB4480	AP1TPB4480	AP2TPB4480	AP4TPB4480
Capacity	256GB	512GB	1TB	2TB	4TB
Sequential Read (MB/s)	4,200	4,500	5,000	4,800	3,600
Sequential Write (MB/s)	1800	2,500	4,400	4,400	3,200
Random Read IOPS (4K)	350,000	380,000	450,000	440,000	430,000
Random Write IOPS (4K)	150,000	280,000	340,000	340,000	150,000
Terabytes Written (TBW)	200	400	800	1,600	3,200
MTBF	>2 million hours				
Warranty*	3 years Limited				

Note:
Results may differ from various flash configurations or host system setting.
Warranty*: 3 years or TBW whichever occurs first

For more information, contact your Apacer representative