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## Revolutionary Speed

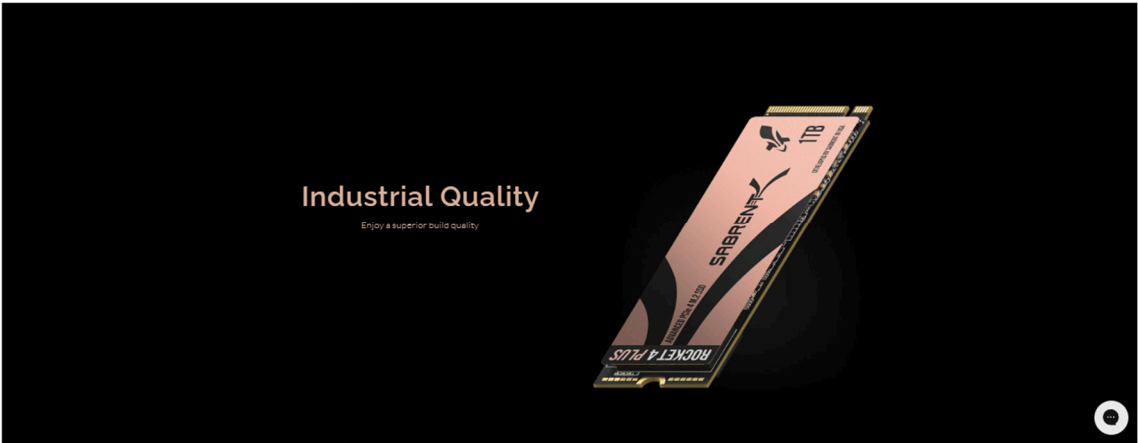
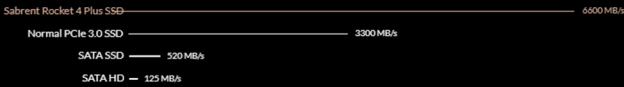
Based on TLC NAND Flash memory, its performance speeds can reach up to 7100 MB/s (read)\* and 6600 MB/s (write)\* when using a PCIe Gen4 motherboard.



### Sequential Read Speed\*



### Sequential Write Speed\*

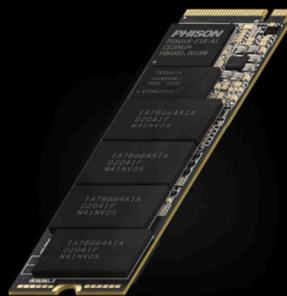


## Industrial Quality

Enjoy a superior build quality

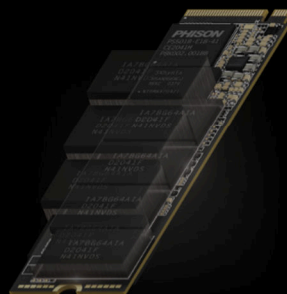
## PCIe 4.0

PCIe Gen4 x4 Interface  
Backward Compatible with PCIe 3.0



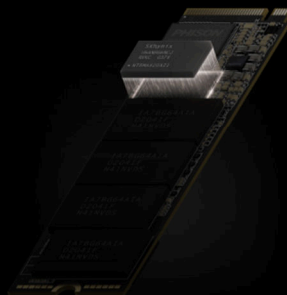
## NAND Flas

3D NAND  
BGA 132



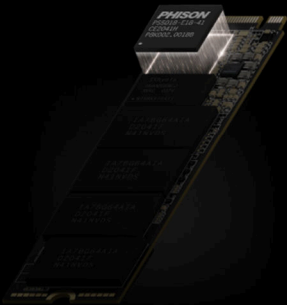
## Cache

External DDR4 Cache



# Flash Controller

Phison P5501B-E18



## Rocket 4 Plus NVMe SSD Features

 Superior Build Quality

 High Capacity

 Fast Read/Write

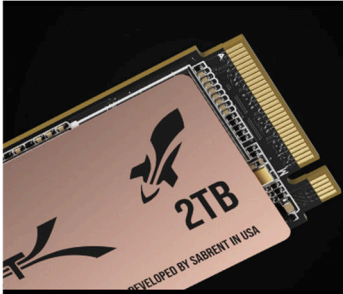
 Shock Resistant

Model #	SB-RKT4P-1TB	SB-RKT4P-2TB	SB-RKT4P-4TB
Capacity	1000GB	2000GB	4000GB
NAND	B27	B27	B27
Controller	E18	E18	E18
Interface	PCIe Gen4 x 4	PCIe Gen4 x 4	PCIe Gen4 x 4
Certifications	CE,FCC,VCCI,BSMI,RoHS	CE,FCC,VCCI,BSMI,RoHS	CE,FCC,VCCI,BSMI,RoHS
Max Sequential Read	7000 (MB/s)	7000 (MB/s)	7000 (MB/s)
Max Sequential Write	5500 (MB/s)	6850 (MB/s)	6850 (MB/s)
Random 4K QD32 (IOPS) Read*	350K	650K	650K
Random 4K QD32 (IOPS) Write*	700K	700K	700K
Power Consumption R/W	R 6.3 / W 6.6 (W)	R 7.3 / W 8.2 (W)	R 9.7 / W 9.7 (W)



Power Supply	3.3V	3.3V	3.3V
Form Factor	M.2 2280	M.2 2280	M.2 2280
Height	2.25mm	3.6mm	3.6mm
Width	22mm	22mm	22mm
Length	80mm	80mm	80mm
Operating Temperature	0~70C	0~70C	0~70C
Storage Temperature	-40~85C	-40~85C	-40~85C
MTBF	1600000	1600000	1600000
Shock Resistant	1500G	1500G	1500G
Data Correction	LDPC	LDPC	LDPC
Warranty	5 years with registration	5 years with registration	5 years with registration
TBW	700	1400	3000

\* Performance is based on AMD Gen4 X570 + 8 Core CPU + DDR4 (3200Hz) 16GB.



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## Custom Heatsink

When maximum performance is reached, additional heat is generated. To help dissipate this heat efficiently, Sabrent has developed a state-of-the-art heatsink using the winning combination of aluminum and copper. Designed for desktop computers, the heatsink is easy to install and fully compatible with Single/Double sided M.2 2280 SSDs.



## Thermal Conductivity

The copper is used to absorb the drive's heat, moving it away from the drive and spreading it through the grooved aluminum surface on top of the heatsink. This added level of cooling efficiency allows the drive to avoid all thermal throttling, which maximizes the performance of your drive.

69% Improvement

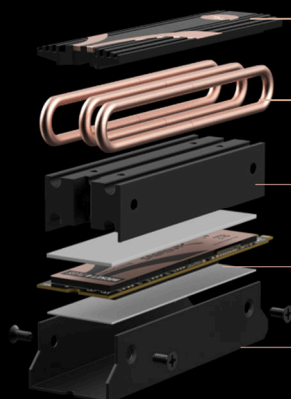


Copper

Aluminum

401W/mK

237W/mK



### Top Heat Spreader

Improves thermal transfer from heating sources

### Copper Heat Coils

For the best heat dissipation during read/write performances

### Aluminum Heat Sink

Greatly increase the heat dissipation area

### Thermal Tape x2

Allows excellent thermal conductivity ability

### Aluminum Tray

Screws & screwdriver included



ROCKET  
4 PLUS

