

**ENTERPRISE B-SERIES** 

## Ultimate M.2 Boot Drive for Servers and Workstations

PASCARI B100

**Sequential Read** 

Up to 5,000 MB/s

**Sequential Write** 

Up to 700 MB/s

Random Read

Up to 450K IOPS

**Random Write** 

Up to 30K IOPS

Interface

PCle 4.0 x4

**Capacity** 

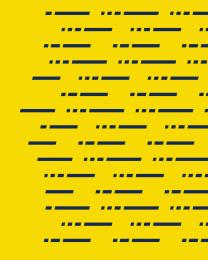
Up to 960GB

**Form Factor** 

M.2 2280

**DWPD** 

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## **Product Features**

- NVMe 1.4
- 64 Namespaces
- Power Loss Protection (PLP)
- TCG Opal 2.0 support
- AES-XTS 256-bit Encryption
- Data Integrity and Protection
- End-to-End Data Path Protection
- SECDED
- Sanitize
- NVMe-MI (Management Interface)
- SMBus



## **Solutions - B100P**

Form Factor M.2 2280	
480GB	960GB
PCIe 4.0 x4	PCIe 4.0 x4
1.4	1.4
3D TLC	3D TLC
Performance(2,3,4)	
4,000	5,000
300	700
250K	450K
15K	30K
75	75
55	30
Power Consumption (5)	
5.9	8.5
3.5	3.5
Endurance/Reliability	
1	1
< 1 sector per 10 <sup>17</sup> bits read	< 1 sector per 10 <sup>17</sup> bits read
2.0	2.0
5	5
Temperature	
0 - 70	0 - 70
-40 - 85	-40 - 85
Physical Dimension	
80.00	80.00
22.00	22.00
4.08	4.08
11	11
"	11
Part Number	"
	B1802K00960GP011T0200
	480GB PCIe 4.0 x4  1.4 3D TLC  Performance(2.3.4)  4,000 300 250K 15K 75 55  Power Consumption (5) 5.9 3.5  Endurance/Reliability 1 <1 sector per 10 <sup>17</sup> bits read 2.0 5  Temperature 0 - 70 -40 - 85  Physical Dimension 80.00 22.00 4.08



The data within this specification is subject to change by Phison without notice. Performance numbers may vary based on system configuration and testing conditions. Copyright © 2024 Phison Electronics. All rights reserved.

<sup>(1) 1</sup> TB = 10<sup>12</sup> bytes.
(2) Sequential Performance is based on FIO on Linux, 128K, with QD=32, 1 job.
(3) Random Performance is based on FIO on Linux, 4K data size, QD=32, 8 jobs.
(4) Latency is measured with random workloads based on FIO on Linux, 4KB data size, QD=1, 1 job.
(5) Power consumption (Maximum RMS) is measured during the sequential read/write and random read/write operations performed by iometer with the conditions described in (2)(3).
(6) The results of DWPD are obtained in compliance with JESD219A Standards.