

Technical Specifications

Essentials

Code Name
Products formerly Mansion Beach
Capacity
960 GB
Status
Launched
Launch Date
Q2'18
Lithography Type
3D XPoint(TM)

Performance

Sequential Read (up to)
2600 MB/s
Sequential Write (up to)
2200 MB/s
Random Read (8GB Span) (up to)
575000 IOPS
Random Write (8GB Span) (up to)
550000 IOPS
Latency - Read
10 μ s
Latency - Write
10 μ s
Power - Active
16.4W
Power - Idle
6W

Reliability

Vibration - Operating
2.17 GRMS (5-700Hz)
Vibration - Non-Operating
3.13 GRMS (5-800Hz)
Shock (Operating and Non-Operating)
50 G (11ms)
Endurance Rating (Lifetime Writes)
17.52 PB Written
Mean Time Between Failures (MTBF)

1.6 million hours
Uncorrectable Bit Error Rate (UBER)
1 Sector per 10^{17} bits read
Warranty Period
5

Package Specifications

Weight
Up to 230 grams
Form Factor
HHHL (CEM3.0)
Interface
PCIe NVMe 3.0 x4

Advanced Technologies

Hardware Encryption
AES 256 bit