

HPE Primera A650-2N Performance and Usable Space Calculation

NBM

Primera A650-2N

[CONFIGURATION](#) [BILL OF MATERIALS](#)

69.1 TB
RAW CAPACITY

50.18 TB
USABLE CAPACITY

125.46 TB
EFFECTIVE CAPACITY

DRIVES	QTY	RAID	HA	RAW	SPARE	SYSTEM	USABLE
3.84TB SSD SFF	18	Raid 6 (10+2)	<input type="checkbox"/>	69.1 TB	7.68 TB	1.2 TB	50.18 TB

WORKLOADS	IO SIZE	READ	VOLUME	PROTOCOL	PORTS	ESTIMATED PERFORMANCE ¹
Random	8K	50 %	Thin Provisioning	16Gb FC	8	182,989 IOPS, 0.3 ms

¹ Performance figures represent the estimated array maximum for a single workload at a time.

ENVIRONMENTALS

- Rack Units 2 U
- Depth 83.9 cm
- Weight 51.8 kg
- Cooling 2737 BTU/h
- Power 802 Watts
- SAS Cabling Split Cage

TOTAL CAPACITY

¹ Effective capacity is assuming a data reduction rate of 2.5x, including RAID and system overhead.

2.5:1
DATA REDUCTION
60%

183K IOPS
8K RANDOM
MIXED 50/50

409K IOPS
8K RANDOM
READ

110K IOPS
8K RANDOM
WRITE

10.9 GB/s
256K SEQ.
READ

3.4 GB/s
256K SEQ.
WRITE

The performance figures assume data reduction is not in use.

ENCLOSURES

SFF Enclosures	<div style="width: 100%; height: 10px; background-color: #007060;"></div>	1
Free Slots	<div style="width: 60%; height: 10px; background-color: #007060;"></div>	6
Total Drives	<div style="width: 100%; height: 10px; background-color: #007060;"></div>	18

NETWORK

16Gb FC	8 / 24
10GbE (built-in)	2 / 2