

Solidigm™ D5-P5336

Massive capacity, minimal cost

Presented by:

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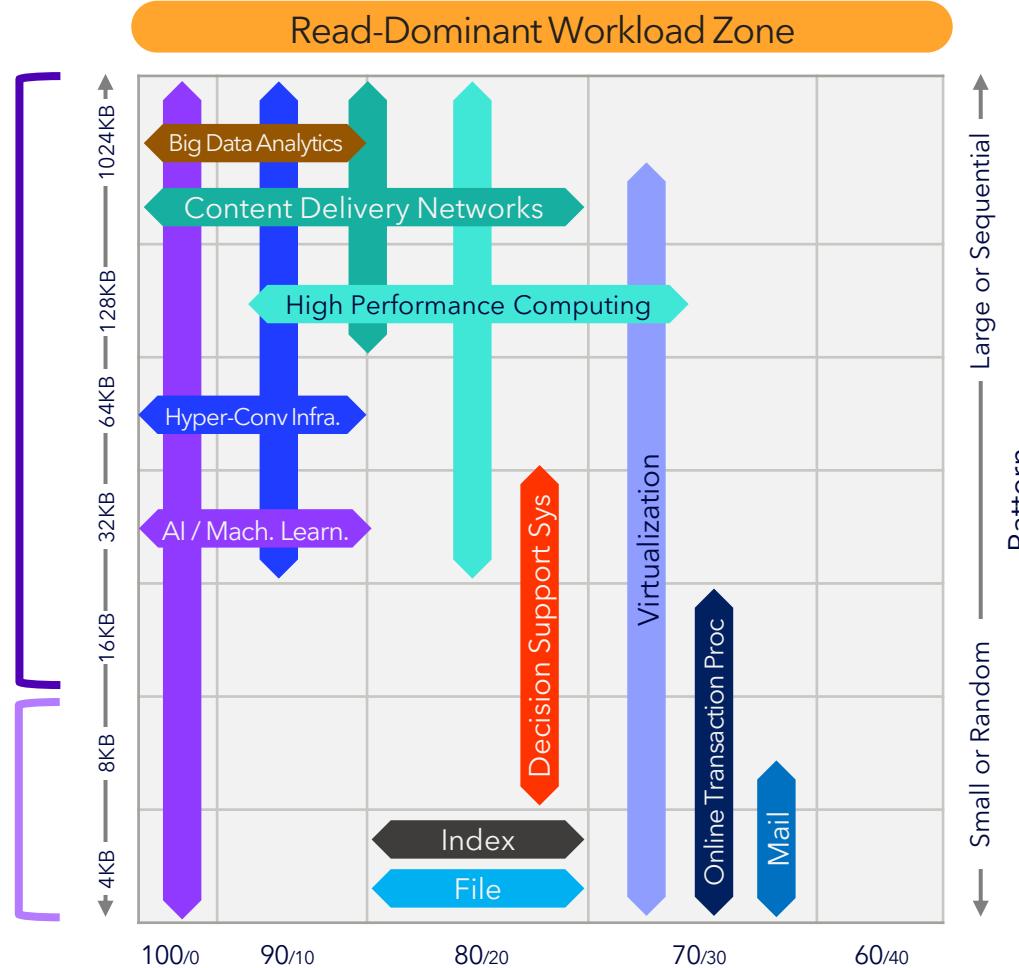
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Read activity dominates in the data center

Larger data
transfer sizes

Smaller data
transfer sizes



Solidigm™ D5-P5336

The world's highest capacity PCIe SSD¹

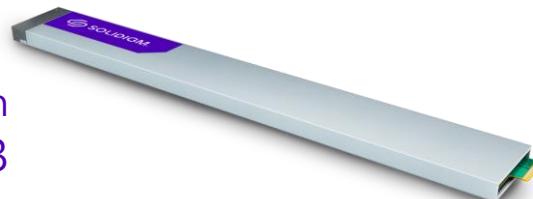
U.2 15mm
7.68TB - 61.44TB



E3.S 7.5mm
7.68TB - 30.72TB



E1.L 9.5mm
15.36TB - 61.44TB

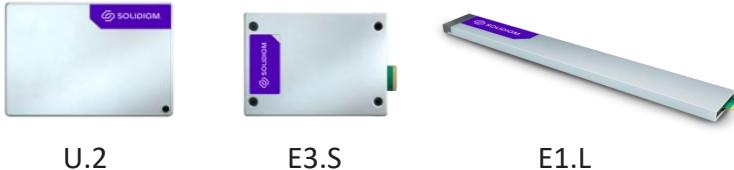


- Accelerate **read intensive** workloads
- **Massive scalability** for high-density storage environments
- **Substantially improve TCO and sustainability** from core to edge infrastructures



D5-P5336

7.68TB-61.44TB



U.2

E3.S

E1.L



Highest capacity PCIe SSD in the world



Read-intensive



- 1) **High capacity storage**
- 2) HDD displacement
- 3) TLC displacement

Headline

Workload

Use Case

D5-P5430

3.84TB-30.72TB

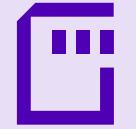


U.2

E3.S

E1.S

Plug & play TLC replacement



Mainstream & read-intensive



- 1) NVMe entry point
- 2) TLC displacement





How the D5-P5336 Stacks Up

Product	Sequential Read 128K	Random Read 4K	Endurance Lifetime Petabytes Written (PBW)	Max Cap.
Solidigm D5-P5336 ¹	1.03X	1X	2.3X	4X
Micron 7450 Pro ²	1X	1X	1X	1X
Micron 6500 ION ³	1X	1X	0.6X	2X
Samsung PM9A3 ⁴	0.98X	1.1X	0.5X	0.5X
Kioxia CD8-R ⁵	0.97X	1X	1X	1X

≥ read performance and higher endurance vs. competing TLC

¹ Source: Solidigm. Performance based on maximum data sheet specifications. See appendix for details

Outclassing HDDs

D5-P5336 value vs HDD array

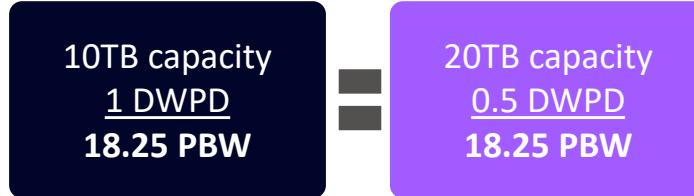
	Enterprise HDD	D5-P5336		
Drive capacity	~20TB	61.44TB	6.3x fewer drives	
Total # of servers			12.5x fewer servers	
5-year energy cost			4.9x lower energy cost	

Better value than HDD's

Rethink endurance



DWPD is **outdated** and **deceptive**



High DWPD does **NOT** equal high endurance



High **PBW** (petabytes written) = high endurance



Solidigm QLC has **higher PBW** than many **TLC** drives

2.5" HDD

Micron
6500 ION
16.8
PBW

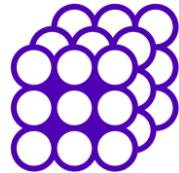
D5-P5430
32
PBW

D5-P5336
65
PBW

Endurance Profiler Tool:
https://github.com/intel/endurance_profiler

Solidigm™ D5-P5336.

Our most cost effective, highest capacity SSD



The world's highest capacity PCIe SSD¹



Similar or better read performance
and higher PBW than TLC SSDs



**Reduce operating costs and improve
sustainability** vs. legacy configurations



Delivered with **industry-leading
quality and reliability²**



Introducing the Solidigm™ D5-P5336

Q&A

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