



Manufacturer	U.2 Link	Model	Optimized for Capacity (1 Device Writes/Day)					Optimized for Endurance (3 Device Writes/Day)					Read MB/s	Write MB/s	IOPS Read	IOPS Write	Note		
			960GB-1TB	1.92-2TB	3.2-4TB	7.68-8TB	11-16TB	30-32TB	750-800GB	1.5-1.6TB	3.2TB	6.4TB						12.8TB	25.6TB
Advantech	SQFlash 920	SQF-C25	960G	1.92	3.84	7.68							3200	1000	600k	260k	IOPS 1.92TB		
Alcor Link	U.2 PCIe SSD	CATALINA-2				8	16						N/A	N/A	N/A	N/A			
Flexxon	U.2 PCIe SSD	Supreme					15	30					3300	2200	400k	400k			
Intel NAND	SSD D5-P4320/D5-P4420⁴	P4320				7.68							3200	1000	427k	36k			
	SSD D5-P4320/D5-P4420⁴	P4420				7.68							3200	1000	427k	36k			
	SSD DC P4510⁴	P4510	1	2	4	8							3200	3000	642k	134k			
	SSD DC P4610⁴	P4610				7.68				1.6	3.2	6.4		3200	3200	651k	219k		
Intel Optane ¹	Optane SSD 905P	905P	960G										2700	2200	575k	550k			
	Optane SSD DC P4800X	P4800X										750G	1.5						
Kingston	DC1000M	DC1000M	960G	1.92	3.84	7.68							3100	2800	485k	210k	Speeds 7.68TB; IOPS 7.68TB		
KIOXIA	XD5	XD5	960G	1.92	3.84								2700	895	250k	21k			
	CD5	CD5	960G	1.92	3.84	7.68							3140	1980	550k	50k	Write 7.68TB; IOPS 7.68TB		
	CM5-R	CM5-R	960G	1.92	3.84	7.68	15.36						3350	3040	770k	80k	Speeds ≥3.84TB; IOPS 7.68TB		
	CM5-V	CM5-V								800G	1.6	3.2	6.4	3350	3040	770k	165k	Speeds ≥3.2TB; IOPS 6.4TB	
	CD6-R PCIe 4.0	CD6-R	960G	1.92	3.84	7.68	15.36						6200 ⁵	4000 ⁵	1000k	85k	Speeds 7.68TB; IOPS 7.68TB		
	CD6-V PCIe 4.0	CD6-V								800G	1.6	3.2	6.4	12.8	6200 ⁵	4000 ⁵	1000k	85k	Speeds 7.68TB; IOPS 7.68TB
	CM6-R PCIe 4.0	CM6-R	960G	1.92	3.84	7.68	15.36						6900 ⁵	4200 ⁵	1000k	85k	Speeds 7.68TB; IOPS 7.68TB		
Liqid ²	Element	LQD3250	960G	1.92	3.84	7.68							3600	3600	850k	850k			
	7300 Pro/Max SSD	PRO	960G	1.92	3.84	7.68							3000	1800	520k	95k	Speeds ≥3.84TB; IOPS 3.848TB		
Micron		MAX										800G	1.6	3.2	6.4		Speeds ≥1.6TB; IOPS ≥3.2TB		
	9200 ECO/PRO/MAX SSD	ECO				8	11						3500	3500	840k	140k	Speeds 11TB; IOPS 8TB		
		PRO		1.92	3.84	7.68							3500	3100	840k	170k	Speeds ≥3.84TB; IOPS ≥3.84TB		
		MAX								3.2	6.4		3500	3100	840k	280k			
	9300 PRO/MAX SSD	PRO			3.84	7.68	15.36						3500	3500	850k	145k	Speeds ≥7.68TB; IOPS ≥7.68TB		
		MAX								3.2	6.4	12.8	3500	3500	850k	310k	Speeds ≥6.4TB; IOPS ≥6.4TB		
NGD Systems	Newport NVMe SSD	HN2520-xxxT1-C				8	16	32					1800	1200	200k	100k			
	Newport NVMe SSD	HN2520-xxxT4-C								6.4	12.8	25.8	1800	1200	200k	100k			
	Newport NVMe SSD	IN2520-xxxT4-C ³								6.4	12.8	25.8	1800	1200	200k	100k	Computational Storage ³		
Radian Memory Sys	RMS-350	RMS-350			4	8	16					N/A	N/A	N/A	N/A				
Samsung	983 DCT⁴	983 DCT	960G	1.92									3400	2200	500k	52k	Speeds 1.92TB; IOPS 1.92TB		
	PM 983	PM 983	960G	1.92	3.84	7.68							3200	2000	540k	55k	Speeds ≥1.92TB; IOPS ≥1.92TB		
Samsung/Xilinx	SmartSSD CSD³				3.84								3500	3200	800k	135k	Computational Storage ³		
Seagate	Nitro 5000	Nitro 5000HE	960G	1.92									2000	1200	245k	60k			
		Nitro 5000LE								800G	1.6		2000	1200	245k	28k			
Western Digital	DC SN200/630/640/840	SN200	960G	1.92	3.84	7.68				800G	1.6	3.2	6.4	3350	2100	550k	200k	IOPS 800GB/1.6/3.2/6.4TB	
		SN630	960G	1.92	3.84	7.68				800G	1.6	3.2	6.4	2540	1240	306k	88k	IOPS 800GB/1.6/3.2/6.4TB	
		SN640	960G	1.92	3.84	7.68				800G	1.6	3.2	6.4	3100	1800	469k	116k	IOPS 800GB/1.6/3.2/6.4TB	
		SN840		1.92	3.84	7.68	15.36				1.6	3.2	6.4	3311	3184	780k	257k	IOPS 800GB/1.6/3.2/6.4TB	

1. To use Optane as a cache volume with a NAND SSD volume...

[Intel Rapid Storage Technology Driver for Windows](#)

[Fusion Volume for macOS](#)

2. Liqid Element driver supports Windows 10, Linux and VMWare

3. These Computational Storage products include an on-board CPU that can run applications within the device.

4. Not compatible with macOS 10.15.7 and previous. Compatible with macOS 11 Big Sur.

5. PCIe 4 SSD performance cannot be attained in Fusion Dual U.2 SSD PCIe Card which is a PCIe 3 card. PCIe 3 R/W performance is typically 3500MB/s.

Sonnet has tested many, but not, all of the above SSDs. We rely on the manufacturers' data, and cannot guarantee compatibility or rated performance.

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