

Manufacturer	U.2 Link	Model	Optimized for Endurance (3 Drive Writes/Day)					Optimized for Capacity (1 Drive Write/Day)					Read MB/s	Write MB/s	IOPS Read	IOPS Write	Note	
			750-800GB	1.5-1.6TB	3.2TB	6.4TB	12.8TB	960GB-1TB	1.92-2TB	3.2-4TB	7.68-8TB	11-16TB						30-32TB
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-P4420	P4320									7.68		3200	1000	427k	36k		
	SSD D5-P4320/D5-P4420	P4420									7.68		3200	1000	427k	36k		
	SSD DC P4510⁴	P4510						1	2	4	8		3200	3000	642k	134k		
	SSD DC P4610⁴	P4610		1.6	3.2	6.4					7.68		3200	3200	651k	219k		
Intel Optane ¹	Optane SSD 905P	905P		1.5				960G					2700	2200	575k	550k		
	Optane SSD DC P4800X	P4800X	750G	1.5									2500	2200	550k	550k		
Kingston	DC1000M	DC1000M						960G	1.92	3.84	7.68		3100	2800	485k	210k	Speeds 7.68TB; IOPS 7.68TB	
KIOXA (formerly Toshiba)	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	
Liquid ²	Element	LQD3250						960G	1.92	3.84	7.68		3600	3600	850k	850k		
Micron	7300 Pro/Max SSD	PRO						960G	1.92	3.84	7.68		3000	1800	520k	95k	Speeds ≥3.84TB; IOPS 3.848TB	
		MAX	800G	1.6	3.2	6.4							3000	1900	520k	160k	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	
	9300 PRO/MAX SSD	MAX			3.2	6.4							3500	3100	840k	280k		
		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 ³	HN2520	HN2520-320T4-C										32	1025	1150			Computational Storage ³	
Radian Memory Sys	RMS-350	RMS-350								4	8	16	N/A	N/A	N/A	N/A		
Samsung	983 DCT	983 DCT						960G	1.92				3400	2200	500k	52k	Speeds 1.92TB; IOPS 1.92TB	
	PM 983	PM 983						960G	1.92	3.82	7.68		3200	2000	540k	55k	Speeds ≥1.92TB; IOPS ≥1.92TB	
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	800G	1.6	3.2	6.4		960G	1.92	3.84	7.68		3350	2100	550k	200k	IOPS 800GB/1.6/3.2/6.4TB	
		SN630	800G	1.6	3.2	6.4		960G	1.92	3.84	7.68		2540	1240	306k	88k	IOPS 800GB/1.6/3.2/6.4TB	
		SN640	800G	1.6	3.2	6.4		960G	1.92	3.84	7.68		3100	1800	469k	116k	IOPS 800GB/1.6/3.2/6.4TB	
		SN840		1.6	3.2	6.4			1.92	3.84	7.68	15.36	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. Liquid Element driver supports Windows 10, Linux and VMWare

3. NGD Systems Intelligent Storage products utilize a breakthrough architecture providing in-situ processing platform for customers to allow applications to run within the drive minimizing network and data traffic and minimizing CPU and memory footprint requirements.

4. Not compatible with macOS

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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U.2 Capacity Cost Cost/TB

Samsung 983DCT 1TB \$240 \$240
Samsung 983DCT 2TB \$450 \$225
Micron 9300 MAX 3.2TB \$820 \$255
Micron 9300 PRO 7.68TB \$1340 \$175
Micron 9300 PRO 15.36TB \$2980 \$195

M.2 Capacity Cost Cost/TB

Samsung 970EVO+ 1TB \$215 \$215
Samsung 970EVO+ 2TB \$450 \$225
Sabrent 4TB \$700 \$350
Sabrent 4TB \$700 \$350

Jan. 10, 2020