

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	3.2-4TB	6.4TB	11-12.8TB	960GB-1TB	1.92-2TB	3.2-4TB	7.68-8TB	11-15.36TB						30TB
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 DC P4510 U.2	P4510						1	2	4	8		3200	3000	642k	134k		
	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 P4610	P4610		1.6	3.2	6.4					7.68		3200	3200	651k	219k		
Intel Optane	Optane SSD 905P¹	905P		1.5				960G					2700	2200	575k	550k		
	Optane SSD DC P4800X¹	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	
Liqid	Element²	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	Speeds ≥3.2TB; IOPS ≥3.2TB	
		PRO								3.84	7.68	15.36	3500	3500	850k	145k	Speeds ≥7.68TB; IOPS ≥7.68TB	
Radian Memory Sys	RMS-350	MAX			3.2	6.4	12.8						3500	3500	850k	310k	Speeds ≥6.4TB; IOPS ≥6.4TB	
										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	
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...

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

[Fusion Volume for macOS](#)

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

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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