

Manufacturer	U.2 Link	Model	mac OS	PCIe Gen	VROC <sup>3</sup>	Optimized for Capacity (<math>\leq 1</math> Device Writes/Day)					Optimized for Endurance (3 Device Writes/Day)					Read MB/s	Write MB/s	IOPS Read	IOPS Write	Note	Read Intensive	Mixed Use	Write Intensive	
						960GB	1.92	3.84TB	7.68TB	15.36TB	30.72TB	800GB	1.6TB	3.2TB	6.4TB									12.8TB
Advantech	<a href="#">SQFlash 920</a>	SQF-C25 920		3		960G	1.92	3.84	7.68						3200	1000	600k	260k	IOPS 1.92TB		v			
	<a href="#">SQFlash ER-1</a>	SQF-CU2 ER-1		4										800G	1.6	3.2	6.4	700k	700k			v		
Flexxon	<a href="#">U.2 PCIe SSD</a>	Supreme		3		960G	1.92	3.84	7.68						3300	2200	400k	400k			v			
Intel Optane <sup>1</sup>	<a href="#">Optane SSD 905P</a>	905P	v	3	v	960G									2700	2200	575k	550k			v			
	<a href="#">Optane SSD DC P4800X</a>	P4800X		3	v									750G	1.5		550k	550k				v		
	<a href="#">Optane SSD DC P5800X</a>	P5800X		4										800G	1.6	3.2	1500k <sup>5</sup>	1500k <sup>5</sup>	Speeds 3.2TB; IOPS $\geq 1.6$ TB			v		
Kingston	<a href="#">DC1000M (discontinued)</a>	DC1000M	No	3		960G	1.92	3.84	7.68						3100	2800	485k	210k	Speeds 7.68TB; IOPS 7.68TB		v			
	<a href="#">DC1500M</a>	DC1500M	No	3		960G	1.92	3.84	7.68						3300	2700	N/A	N/A	Speeds 1.92TB					
KIOXIA	<a href="#">XD5 (discontinued)</a>	XD5		3		960G	1.92	3.84							2700	895	250k	21k			v			
	<a href="#">CD5 (discontinued)</a>	CD5		3		960G	1.92	3.84	7.68						3140	1980	550k	50k	Write 7.68TB; IOPS 7.68TB		v			
	<a href="#">CM5-R (discontinued)</a>	CM5-R		3		960G	1.92	3.84	7.68	15.36					3350	3040	770k	80k	Speeds $\geq 3.84$ TB; IOPS 7.68TB		v			
	<a href="#">CM5-V (discontinued)</a>	CM5-V		3										800G	1.6	3.2	6.4	165k	165k	Speeds $\geq 3.2$ TB; IOPS 6.4TB		v		
	<a href="#">CD6-R PCIe 4.0</a>	CD6-R	No	4	v	960G	1.92	3.84	7.68	15.36					6200 <sup>5</sup>	4000 <sup>5</sup>	1000k <sup>5</sup>	85k	Speeds 7.68TB; IOPS 7.68TB		v			
	<a href="#">CD6-V PCIe 4.0</a>	CD6-V	No	4	v									800G	1.6	3.2	6.4	12.8	85k	85k	Speeds 7.68TB; IOPS 7.68TB		v	
	<a href="#">CM6-R PCIe 4.0</a>	CM6-R	No	4	v	960G	1.92	3.84	7.68	15.36					6900 <sup>5</sup>	4200 <sup>5</sup>	1000k <sup>5</sup>	85k	Speeds 7.68TB; IOPS 7.68TB		v			
	<a href="#">CM6-V PCIe 4.0</a>	CD6-V	No	4	v									800G	1.6	3.2	6.4	350k	350k	Speeds 3.2TB; IOPS 3.2TB		v		
Micron	<a href="#">7300 Pro/Max SSD</a>	PRO	v	3		960G	1.92	3.84	7.68						3000	1800	520k	95k	Speeds $\geq 3.84$ TB; IOPS 3.84TB		v			
		MAX	v	3										800G	1.6	3.2	6.4	160k	160k	Speeds $\geq 1.6$ TB; IOPS $\geq 3.2$ TB			v	
	<a href="#">7450 Pro/Max SSD</a>	PRO	v	4	v	960G	1.92	3.84	7.68	15.36					6800 <sup>5</sup>	5600 <sup>5</sup>	1000k <sup>5</sup>	250k	Speeds $\geq 7.68$ TB; IOPS 15.36TB		v			
		MAX	v	4	v									800G	1.6	3.2	6.4	12.8	410k	410k	Speeds $\geq 6.4$ TB; IOPS 12.8TB			v
	<a href="#">9100 PRO/MAX SSD</a>	PRO	v	3	v									800G	1.6	3.2	750k	160k	Speeds 3.2TB; IOPS 3.2TB		v			
		MAX	v	3	v										3000	2000	750k	300k	Speeds 2.4TB; IOP 2.4TB			v		
	<a href="#">9200 ECO/PRO/MAX SSD</a>	ECO	v	3	v						8	11			3500	3500	840k	140k	Speeds 11TB; IOPS 8TB		v			
		PRO	v	3	v		1.92	3.84	7.68						3500	3100	840k	170k	Speeds $\geq 3.84$ TB; IOPS $\geq 3.84$ TB		v			
		MAX	v	3	v										3500	3100	840k	280k				v		
		<a href="#">9300 PRO/MAX SSD</a>	PRO	v	3	v			3.84	7.68	15.36					3500	3500	850k	145k	Speeds $\geq 7.68$ TB; IOPS $\geq 7.68$ TB		v		
		MAX	v	3	v									3500	3500	850k	310k	Speeds $\geq 6.4$ TB; IOPS $\geq 6.4$ TB			v			
	<a href="#">9400 PRO/MAX SSD</a>	PRO	No	4	v			3.84	7.68	15.36	30.72				7000 <sup>5</sup>	7000 <sup>5</sup>	1600k	300k	Speeds All; IOPS $\leq 15.36$ TB		v			
		MAX	No	4	v										7000 <sup>5</sup>	7000 <sup>5</sup>	1600k	600k	Speeds All; IOPS $\leq 12.8$ TB			v		
	<a href="#">6500 ION SSD</a>			4							30.72				6800 <sup>5</sup>	5000 <sup>5</sup>	1000k	200k			v			
Samsung	<a href="#">PM983 (discontinued)</a>	PM983	No	3	v	960G		3.84	7.68						3200	2000	540k	55k	Speeds $\geq 1.92$ TB; IOPS $\geq 1.92$ TB		v			
	<a href="#">983 DCT (discontinued)</a>	983 DCT	No	3		960G	1.92								3400	2200	500k	52k	Speeds 1.92TB; IOPS 1.92TB		v			
	<a href="#">PM1725a (discontinued)</a>	PM1725a	v	3										800G	1.6	3.2	130k	130k			v			
	<a href="#">PM1733</a>	PM1733		4	v	960G	1.92	3.84	7.68	15.36					7000 <sup>5</sup>	3800 <sup>5</sup>	1500k <sup>5</sup>	135k			v			
	<a href="#">PM9A3</a>	PM93A	No	4	v	960G	1.92	3.84							6900 <sup>5</sup>	4100 <sup>5</sup>	1000k <sup>5</sup>	180k <sup>5</sup>	Speeds 3.84TB; IOPS 3.84TB		v			
Seagate	<a href="#">Nytro 5000 (discontinued)</a>	5000HE		3		960G	1.92								2000	1200	245k	60k			v			
		5000LE		3										800G	1.6		28k	28k			v			
	<a href="#">Nytro 5350/5550</a>	5350		4			1.92	3.84	7.68	15.36					7400 <sup>5</sup>	7200 <sup>5</sup>	1700k <sup>5</sup>	495 <sup>5</sup>	Speeds $\geq 7.68$ TB		v			
		5550		4											7400 <sup>5</sup>	7200 <sup>5</sup>	1700k <sup>5</sup>	495 <sup>5</sup>			v			
Solidigm (formerly Intel)	<a href="#">D5-P4320</a>	P4320	v	3	v				7.68						3200	1000	427k	36k	Endurance - "Value"		v			
	<a href="#">D5-P4326</a>	P4226	v	3	v					15.36					3200	1000	427k	36k	Endurance - "Value"		v			
	<a href="#">D5-P4420</a>	P4420	v	3	v				7.68 <sup>4</sup>						3200	1000	427k	36k	Endurance - "Essential"		v			
	<a href="#">D5-P5316</a>	P5316		4						15.36	30.72				7000 <sup>5</sup>	3600 <sup>5</sup>	800k <sup>5</sup>	N/A			v			
	<a href="#">D5-P5430</a>	P5430		4				3.84	7.68	15.36					7000 <sup>5</sup>	3000 <sup>5</sup>	970k <sup>5</sup>	120k <sup>5</sup>			v			
	<a href="#">D7-P4510</a>	P4510		3	v	1	2	4	8	15.36					3200	3100	642k	134k	Endurance - "Standard"		v	v		
	<a href="#">D7-P4610</a>	P4610		3	v				7.68						3200	3100	651k	219k	Endurance - "Mid"		v	v		
	<a href="#">D7-P5500</a>	P5500		4	v		1.92	3.84	7.68						7000 <sup>5</sup>	4300 <sup>5</sup>	1000k <sup>5</sup>	130k			v			
	<a href="#">D7-P5510</a>	P5510		4	v			3.84	7.68						7000 <sup>5</sup>	4200 <sup>5</sup>	930k <sup>5</sup>	190k	Endurance - "Standard"		v			
	<a href="#">D7-P5520</a>	P5520		4	v		1.92	3.84	7.68	15.36					7100 <sup>5</sup>	4200 <sup>5</sup>	1100k <sup>5</sup>	220k <sup>5</sup>	Endurance - "Standard"		v			
	<a href="#">D7-P5600</a>	P5600		4	v										7000 <sup>5</sup>	4300 <sup>5</sup>	1000k <sup>5</sup>	260k			v			
	<a href="#">D7-P5620</a>	P5620		4	v										7100 <sup>5</sup>	4200 <sup>5</sup>	1100k <sup>5</sup>	390k <sup>5</sup>	Endurance - "Medium"			v		
																1.6	3.2	6.4	12.8					
Western Digital	<a href="#">DC SN200 (discontinued)</a>	SN200		3	v	960G	1.92	3.84	7.68						3350	2100	550k	200k	IOPS 800GB/1.6/3.2/6.4TB					
	<a href="#">DC SN630 (discontinued)</a>	SN630		3		960G	1.92	3.84	7.68						2540	1240	306k	88k	IOPS 800GB/1.6/3.2/6.4TB					
	<a href="#">DC SN640 (discontinued)</a>	SN640		3	v	960G	1.92	3.84	7.68						3100	1800	469k	116k	IOPS 800GB/1.6/3.2/6.4TB					
	<a href="#">DC SN840 (discontinued)</a>	SN840		3	v		1.92	3.84	7.68	15.36					3311	3184	780k	257k	IOPS 800GB/1.6/3.2/6.4TB					
	<a href="#">DC SN650</a>	SN650		4	v				7.68	15.36					6500 <sup>5</sup>	1900	705k	74k						
	<a href="#">DC SN655</a>	SN655		4	v			3.84	7.68	15.36					6600 <sup>5</sup>	3800 <sup>5</sup>	1000k	135k	Speeds 15.36TB; IOPS 15.36TB					

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. Sonnet has successfully tested the 7.68TB which is macOS compatible. We have reports that the 15.36TB is not. We are investigating.  
3. [Intel Virtual RAID on CPU Supported Configurations](#)  
4. Two sequential device writes per day  
5. PCIe 4 SSD performance cannot be attained in Fusion Dual U.2 SSD PCIe Card which is a PCIe 3 card. PCIe 3 maximum R/W performance is 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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**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

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