

Manufacturer	U.2 Link	Model	PCIe Gen	Windows	macOS	VROC ¹ Sep 23	Optimized for Capacity (≤1 Device Writes/Day)					Optimized for Endurance (3 Device Writes/Day)					Read MB/s	Write MB/s	IOPS Read	IOPS Write
							960GB	1.92TB	3.84TB	7.68TB	15.36TB	30.72TB	800GB	1.6TB	3.2TB	6.4TB				
Advantech	SQFlash 920	SQF-C25 920	3	✓	-		960G	1.92	3.84	7.68						3200	1000	600k	260k	
	SQFlash ER-1	SQF-CU2 ER-1	4	✓	No								800G	1.6	3.2	6.4	7100	6700	750k	700k
Flexxon	U.2 PCIe SSD	Supreme	3	✓			960G	1.92	3.84	7.68						3300	2200	400k	400k	
Intel Optane ²	Optane 905P (discontinued)	905P	3	✓	✓	✓	960G							1.5		2700	2200	575k	550k	
	Optane DC P4800X (discont.)	P4800X	3	✓	-	✓							750G	1.5		2500	2200	550k	550k	
	Optane DC P5800X (discont.)	P5800X	4	✓	No								800G	1.6	3.2	7200 ³	6350 ³	1500k ³	1500k ³	
Kingston	DC1000M (discontinued)	DC1000M	3	✓	No		960G	1.92	3.84	7.68						3100	2800	485k	210k	
	DC1500M (discontinued)	DC1500M	3	✓	No		960G	1.92	3.84	7.68						3300	2700	N/A	N/A	
KIOXIA	XD5 (discontinued)	XD5	3	✓	-		960G	1.92	3.84							2700	895	250k	21k	
	CD5 (discontinued)	CD5	3	✓	-		960G	1.92	3.84	7.68						3140	1980	550k	50k	
	CM5-R (discontinued)	CM5-R	3	✓	-		960G	1.92	3.84	7.68	15.36					3350	3040	770k	80k	
	CM5-V (discontinued)	CM5-V	3	✓	-								800G	1.6	3.2	6.4	3350	3040	770k	165k
	CD6-R	CD6-R	4	✓	No	✓	960G	1.92	3.84	7.68	15.36					6200 ⁵	4000 ⁵	1000k ⁵	85k	
	CD6-V	CD6-V	4	✓	No	✓							800G	1.6	3.2	6.4	6200 ⁵	4000 ⁵	1000k ⁵	85k
	CM6-R	CM6-R	4	✓	No	✓	960G	1.92	3.84	7.68	15.36					6900 ⁵	4200 ⁵	1000k ⁵	85k	
	CM6-V	CD6-V	4	✓	No	✓							800G	1.6	3.2	6.4	6900 ⁵	4200 ⁵	1400k ⁵	350k ⁵
	CD7-R	CD7-R	4	✓	No	✓	960G	1.92	3.84	7.68	15.36					6400 ⁵	5600 ⁵	1100k ⁵	180k	
	CD7-V	CD7-R	4	✓	No	✓							800G	1.6	3.2	6.4	6450 ⁵	5600 ⁵	1100k ⁵	370k ⁵
	CD8-R (discontinued)	CD7-R	4	✓	No	✓	960G	1.92	3.84	7.68	15.36					6600 ⁵	6000 ⁵	1050k ⁵	195k	
	CD8-V	CD7-R	4	✓	No	✓							800G	1.6	3.2	6.4	6600 ⁵	6000 ⁵	1050k ⁵	380k ⁵
	Micron	7300 Pro/MAX SSD (discont.)	PRO MAX	3 3	✓ ✓	✓ ✓		960G	1.92	3.84	7.68						3000 3000	1800 1900	520k 520k	95k 160k
		9100 PRO/MAX SSD (discont.)	PRO MAX	3 3	✓ ✓	✓ ✓	✓ ✓							800G	1.6	3.2	6.4	3200 3000	2200 2000	750k 750k
9200 ECO/PRO/MAX SSD (disc.)		ECO	3	✓	✓	✓	✓					8	11			3500	3500	840k	140k	
		PRO	3	✓	✓	✓	✓	1.92	3.84	7.68						3500	3100	840k	170k	
		MAX	3	✓	✓	✓	✓							3.2	6.4	3500	3100	840k	280k	
9300 PRO/MAX SSD (discont.)		PRO	3	✓	✓	✓	✓			3.84	7.68	15.36				3500	3500	850k	145k	
		MAX	3	✓	✓	✓	✓							3.2	6.4	12.8	3500	3500	850k	310k
7400 PRO (Crucial)		PRO	4	✓	No					7.68						6600 ⁵	4100 ⁵			
7450 PRO/MAX SSD		PRO	4	✓	No	✓	✓	960G	1.92	3.84	7.68	15.36				6800 ⁵	5600 ⁵	1000k ⁵	250k	
		MAX	4	✓	No	✓	✓							800G	1.6	3.2	6.4	6800 ⁵	5600 ⁵	1000k ⁵
7500 PRO/MAX SSD		PRO	4	✓	No	✓	✓	960G	1.92	3.84	7.68	15.36				7000 ⁵	5900 ⁵	1100k ⁵	250k	
		MAX	4	✓	No	✓	✓							800G	1.6	3.2	6.4	7000 ⁵	5900 ⁵	1100k ⁵
9400 PRO/MAX SSD	PRO	4	✓	No	✓	✓			3.84	7.68	15.36	30.72			7000 ⁵	7000 ⁵	1600k	300k		
	MAX	4	✓	No	✓	✓							3.2	6.4	12.8	7000 ⁵	7000 ⁵	1600k	600k	
6500 ION SSD		4	✓	No	✓	✓									6800 ⁵	5000 ⁵	1000k	200k		
Samsung	PM983 (discontinued)	PM983	3	✓	No	✓	960G		3.84	7.68						3200	2000	540k	55k	
	983 DCT (discontinued)	983 DCT	3	✓	No	✓	960G	1.92								3400	2200	500k	52k	
	PM1725a (discontinued)	PM1725a	3	✓	No	✓							800G	1.6	3.2	3300	1900	840k	130k	
	PM1733	PM1733	4	✓	No	✓	960G	1.92	3.84	7.68	15.36					7000 ⁵	3800 ⁵	1500k ⁵	135k ⁵	
Seagate	Nytro 5000 (discontinued)	5000HE 5000LE	3 3	✓ ✓	- -		960G	1.92								6900 ⁵	4100 ⁵	1000k ⁵	180k ⁵	
	Nytro 5350/5550	5350 5550	4 4	✓ ✓	- No			1.92	3.84	7.68	15.36					7400 ⁵ 7400 ⁵	7200 ⁵ 7200 ⁵	1700k ⁵ 1700k ⁵	60k 495 ⁵	
Solidigm (formerly Intel)	D5-P4320	P4320	3	✓	✓	✓				7.68						3200	1000	427k	36k	
	D5-P4326	P4326	3	✓	✓	✓					15.36					3200	1000	427k	36k	
	D5-P4420	P4420	3	✓	✓	✓				7.68 ⁶						3200	1000	427k	36k	
	D7-P4510	P4510	3	✓	✓	✓	1	2	4	8	15.36					3200	3100	642k	134k	
	D7-P4610	P4610	3	✓	✓	✓				7.68				1.6	3.2	6.4	3200	3100	651k	219k
	D5-P5316	P5316	4	✓	Note 2						15.36	30.72				7000 ⁵	3600 ⁵	800k ⁵	N/A	
	D5-P5430	P5430	4	✓	Note 2				3.84	7.68	15.36					7000 ⁵	3000 ⁵	970k ⁵	120k ⁵	
	D7-P5500	P5500	4	✓	✓	✓			1.92	3.84	7.68					7000 ⁵	4300 ⁵	1000k ⁵	130k	
	D7-P5510	P5510	4	✓	✓	✓			1.92	3.84	7.68					7000 ⁵	4200 ⁵	930k ⁵	190k	
	D7-P5520	P5520	4	✓	✓	✓			1.92	3.84	7.68	15.36				7100 ⁵	4200 ⁵	1100k ⁵	220k ⁵	
	D7-P5600	P5600	4	✓	✓	✓								1.6	3.2	6.4	7000 ⁵	4300 ⁵	1000k ⁵	260k
	D7-P5620	P5620	4	✓	✓	✓								1.6	3.2	6.4	7100 ⁵	4200 ⁵	1100k ⁵	390k ⁵
	D7-P5810	P5810	4	✓	✓	✓								800G		6400 ⁵	4000 ⁵	865k ⁵	495k ⁵	
	Western Digital	DC SN200 (discontinued)	SN200	3	✓	✓	✓	960G	1.92	3.84	7.68						3350	2100	550k	200k
DC SN630 (discontinued)		SN630	3	✓	✓	✓	960G	1.92	3.84	7.68						2540	1240	306k	88k	
DC SN640 (discontinued)		SN640	3	✓	✓	✓	960G	1.92	3.84	7.68						3100	1800	469k	116k	
DC SN840 (discontinued)		SN840	3	✓	✓	✓			1.92	3.84	7.68	15.36				3311	3184	780k	257k	
DC SN650		SN650	4	✓	✓	✓										6500 ⁵	1900	705k	74k	
DC SN655		SN655	4	✓	No	✓			3.84	7.68	15.36					6600 ⁵	3800 ⁵	1000k	135k	

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. Compatible, but very slow write speeds under macOS

3. [Intel Virtual RAID on CPU Supported Configurations \(Sept. 2023\)](#)

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.

6. Supported in macOS 14.5+

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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