
















SPECIFICATIES

	 Samsung 950 Pro 256GB 	 Samsung 850 Pro 256GB 	 Crucial BX100 250GB 	 Samsung 850 Evo 250GB	 Plextor M6 256GB	 Toshiba Q300 Pro 256GB	 Sandisk Extreme Pro 240GB	 Kingston HyperX Savage 240GB	 Adata SX930 240GB	 Adata Premier SP550 240GB	 Crucial BX200 240GB	 OCZ Trion 150 240GB
Oordeel	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Gemiddelde prijs	€199,-	€144,99	€83,95	€96,-	€94,-	€114,-	€124,-	€104,95	€99,54	€73,81	€72,99	€69,95
Gemiddelde prijs per gigabyte	€0,777 / GB	€0,566 / GB	€0,336 / GB	€0,384 / GB	€0,367 / GB	€0,445 / GB	€0,517 / GB	€0,437 / GB	€0,415 / GB	€0,308 / GB	€0,304 / GB	€0,291 / GB
Beschikbare capaciteit in Windows	238,47 GB	238 GB	232,9 GB	233 GB	238,47 GB	238,47 GB	223 GB	223,57 GB	223,57 GB	223,57 GB	223,57 GB	223,57 GB
Interface	PCI-Express 3.0 x4	Serial ATA 600	Serial ATA 600	Serial ATA 600	Serial ATA 600	Serial ATA 600	Serial ATA 600	Serial ATA 600	Serial ATA 600	Serial ATA 600	Serial ATA 600	Serial ATA 600
SSD-controller	Samsung UBX	Samsung MEX (S4LN045X01)	Silicon Motion SM2246	Samsung MGX (S4LN062X01)	Silicon Motion SM2246	Toshiba TC358790XBG	Marvell 88SS9187	Phison PS3110	JMicron JMF670H	Silicon Motion SM2256	Silicon Motion SM2256	Toshiba TC58NC1000GSB
Type flashgeheugen	Multi-level cell	Multi-level cell	Multi-level cell	Triple-level cell	Multi-level cell	Multi-level cell	Multi-level cell	Multi-level cell	Multi-level cell	Triple-level cell	Triple-level cell	Triple-level cell
Merk flashchips	Samsung	Samsung	Micron (16 nm)	Samsung	Toshiba (15 nm)	Toshiba	Sandisk (19 nm)	Toshiba (19 nm)	Micron (16 nm)	Hynix (16 nm)	Micron (16nm)	Toshiba (15 nm)
Garantie	5 jaar	10 jaar	3 jaar	5 jaar	3 jaar	5 jaar	10 jaar	3 jaar	5 jaar	3 jaar	3 jaar	3 jaar
Opgegeven totale schrijfcapaciteit	200 TB	150 TB	72 TB	75 TB	43,8 TB	-	80 TB	306 TB	200 TB	90 TB	72 TB	60 TB
Form-factor	M.2 2280	2,5 inch	2,5 inch	2,5 inch	2,5 inch	2,5 inch	2,5 inch	2,5 inch	2,5 inch	2,5 inch	2,5 inch	2,5 inch
Hoogte	2,4 mm	7,0 mm	6,9 mm	6,5 mm	6,9 mm	6,8 mm	6,9 mm	6,7 mm	7,3 mm	6,9 mm	6,7 mm	7,0 mm
Self encrypting drive (SED)	✓	✓	✗	✓	✗	✗	✗	✗			✗	✗
TCG Opal 2.0 compatible	✓	✓	✗	✓	✗	✗	✗	✗			✗	✗
Microsoft eDrive compatible	✓	✓	✗	✓	✗	✗	✗	✗			✗	✗
Beveiliging buffergeheugen bij stroomuitval	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Gemiddelde prestatiescore	178	110	86	95	96	94	90	87	77	61	53	62
PCMark 7 - Storage Totaalscore	6.083	5.595	5.395	5.569	5.449	5.604	5.434	5.186	5.318	5.360	5.312	5.196
PCMark 7 - Storage Totaalscore (Raw)	15.792	7.466	6.131	7.230	6.511	7.485	6.399	4.308	6.088	5.815	5.504	4.885
PCMark 8 - Storage Score	5.095	4.980	4.955	4.985	4.961	4.998	4.929	4.921	4.952	4.937	4.870	4.898
AS SSD - Totaalscore	2.462	1.175	940	1.126	1.040	1.049	1.074	1.255	854	824	776	728
AS SSD - Leesscore	1.302	470	357	474	405	437	456	488	299	350	374	287
AS SSD - Schrijfscore	542	454	398	395	425	383	378	502	397	287	203	283
AS SSD - Read - Sequential	2.077,55 MB/s	516,62 MB/s	514,86 MB/s	504,09 MB/s	527,13 MB/s	516,39 MB/s	492,29 MB/s	521,43 MB/s	511,52 MB/s	523,76 MB/s	520,19 MB/s	526,52 MB/s
AS SSD - Read - 4K blokken	50,57 MB/s	33,83 MB/s	27,94 MB/s	39,6 MB/s	33,97 MB/s	23,18 MB/s	26,99 MB/s	45,07 MB/s	23,32 MB/s	28,37 MB/s	28,55 MB/s	32,44 MB/s
AS SSD - Read - 4K blokken - 64 threads	1.043,58 MB/s	384,71 MB/s	277,66 MB/s	384,08 MB/s	317,95 MB/s	362,17 MB/s	379,36 MB/s	390,45 MB/s	224,74 MB/s	269,03 MB/s	292,98 MB/s	201,56 MB/s
AS SSD - Write - Sequential	922,16 MB/s	494,63 MB/s	362,52 MB/s	494,56 MB/s	344,03 MB/s	485,44 MB/s	473,47 MB/s	508,38 MB/s	450,17 MB/s	475,24 MB/s	479,72 MB/s	498,36 MB/s
AS SSD - Write - 4K blokken	164,53 MB/s	73,12 MB/s	69,56 MB/s	70,39 MB/s	96,84 MB/s	109,8 MB/s	68,31 MB/s	110,55 MB/s	56,97 MB/s	97,24 MB/s	61,16 MB/s	53,99 MB/s
AS SSD - Wrtte - 4K blokken - 64 threads	285,19 MB/s	331,61 MB/s	292,09 MB/s	275,52 MB/s	293,72 MB/s	224,79 MB/s	262,78 MB/s	340,69 MB/s	294,79 MB/s	142,46 MB/s	94,12 MB/s	179,43 MB/s
Iometer 4K aligned random write QD32 - Gem. 21-30 min.	116,9 MB/s	171,6 MB/s	84,4 MB/s	93,8 MB/s	136,9 MB/s	57,9 MB/s	78,5 MB/s	54,1 MB/s	67,0 MB/s	33,7 MB/s	14,4 MB/s	30,7 MB/s
Duurtest Iometer Database pattern QD32 - Gem. 21-30 min.	340,1 MB/s	193,4 MB/s	104,4 MB/s	106,6 MB/s	131,8 MB/s	188,9 MB/s	88,5 MB/s	59,7 MB/s	50,5 MB/s	55,1 MB/s	33,6 MB/s	67,3 MB/s
Stroomverbruik Laptop (idle)	✗	0,035 W	0,040 W	0,030 W	0,025 W	0,040 W	0,110 W	0,425 W	0,140 W	0,040 W	0,045 W	0,050 W
Stroomverbruik Laptop (4K random write)	✗	2,3 W	2,7 W	1,8 W	2,5 W	2,1 W	2,5 W	3,6 W	3,0 W	2,2 W	2,7 W	2,2 W
Stroomverbruik Laptop (1MB sequential write)	✗	2,7 W	3,1 W	2,1 W	2,7 W	2,1 W	3,7 W	4,7 W	3,1 W	2,7 W	3,2 W	2,8 W
Inclusief kloonsoftware	Samsung Data Migration	Samsung Data Migration	Acronis True Image HD	Samsung Data Migration	✗	NTI Echo 3	✗	Acronis True Image HD	Acronis True Image HD	Acronis True Image HD	Acronis True Image HD	✗
Inclusief 3,5inch-bracket	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗