

Ganz AI Box NVMe Compatilby List 1.1 (20240911)

Compatibility Notes for NVMe SSDs:

1. For high-capacity models (2TB or above) or PCIe Gen4 or above, which tend to generate significant heat, a heatsink is **strongly** recommended.
2. It is generally recommended to use a heatsink to maintain optimal performance and prevent thermal throttling.
3. Heatsink size should not exceed: Width: 76mm × Length: 24mm × Height: 11mm (maximum external dimensions).
4. Do not use rubber materials to fix the heatsink.
5. 4-channel models support up to 2TB, while 8-channel models support up to 4TB.
6. Nvme without DRAM cache or using QLC NAND are not compatible.

No	Brand	Model	Heatsink Required	Interface	Capacities	Controller	DRAM	NAND Brand	NAND Type	W (Up to, in MB)	Product Page
1	ADATA	Legend 960/Max	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	SMI SM2264	Yes	Micron	TLC	7400/6800	ADATA Legend 960
2	ADATA	S50	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	
3	ADATA	S50 Lite	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	SMI SM2267	Yes	Micron	TLC	3900/3200	
4	ADATA	SX8200 Pro/S11 Pro		x4 PCIe 3.0/NVMe	512GB-2TB	SMI SM2262EN	Yes	Micron	TLC	3500/3000	ADATA SX8200 Pro
5	Addlink	A90	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Micron	TLC	5000/4400	Addlink A90
6	Addlink	A95	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7400/7000	Addlink A95
7	Addlink	S70		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3000	Addlink S70
8	Addlink	S90	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	Addlink S90
9	Addlink	S95	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7100/6800	Addlink S95
10	Addlink	X70		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/2500	Addlink X70
11	Corsair	MP510		x4 PCIe 3.0/NVMe	240GB-4TB	Phison E12S	Yes	Kioxia	TLC	3480/3000	Corsair MP510
12	Corsair	MP600	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E16	Yes	Kioxia	TLC	4950/4250	Corsair MP600
13	Corsair	MP600 PRO	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7000/6850	Corsair MP600 PRO
14	Corsair	MP600 PRO NH	Yes	x4 PCIe 4.0/NVMe	500GB-4TB	Phison E18	Yes	Micron	TLC	7000/6500	Corsair MP600 NH
15	Corsair	MP600 Pro Hydro X	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Micron	TLC	7000/6850	Corsair MP600 Pro Hydro X
16	Corsair	MP600 Pro LPX	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7100/6800	Corsair MP600 LPX
17	Corsair	MP600 PRO XT	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7300/6900	Corsair MP600 PRO XT
18	Corsair	MP600 PRO XT Hydro X	Yes	x4 PCIe 4.0/NVMe	2TB-4TB	Phison E18	Yes	Micron	TLC	7100/6800	Corsair MP600 XT Hydro X
19	Crucial	P5		x4 PCIe 3.0/NVMe	250GB-2TB	Micron DM01B2	Yes	Micron	TLC	3400/3000	Crucial P5
20	Crucial	P5 Plus	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Micron DM02A1	Yes	Micron	TLC	6600/5000	Crucial P5 Plus
21	Crucial	T500	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E25	Yes	Micron	TLC	7400/7000	Crucial T500
22	Gigabyte	Aorus		x4 PCIe 3.0/NVMe	256GB-1TB	Phison E12S	Yes	Kioxia	TLC	3480/2000	Gigabyte Aorus NVMe
23	Gigabyte	Gen4 Aorus	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	Aorus Gen4
24	Gigabyte	Gen4 Aorus v2/Premium	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Micron	TLC	7000/6850	AORUS Gen4
25	Gigabyte	Gen4 Aorus 7300	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Micron	TLC	7300/6850	Gigabyte Aorus Gen4 7300
26	Gigabyte	M30		x4 PCIe 3.0/NVMe	512GB-1TB	SMI SM2262EN	Yes		TLC	3500/3000	Gigabyte M30
27	HP	EX900 Pro		x4 PCIe 3.0/NVMe	256GB-1TB	SMI SM2263	Yes	Micron	TLC	2095/1965	HP EX900 Pro
28	HP	EX920		x4 PCIe 3.0/NVMe	256GB-1TB	SMI SM2262	Yes	Micron	TLC	3200/1800	HP EX920
29	HP	EX950		x4 PCIe 3.0/NVMe	512GB-2TB	SMI SM2262EN	Yes	Micron	TLC	3500/2900	HP EX950
30	Hynix	Gold P31		x4 PCIe 3.0/NVMe	500GB-2TB	Cepheus II	Yes	Hynix	TLC	3500/3200	Hynix Gold P31
31	Hynix	Platinum P41	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Aries	Yes	Hynix	TLC	7000/6500	SK Hynix Platinum P41
32	Intel	760p		x4 PCIe 3.0/NVMe	128GB-2TB	SMI SM2262	Yes	Intel	TLC	3230/1625	Intel 760p
33	Kingston	A2000		x4 PCIe 3.0/NVMe	250GB-1TB	SMI SM2263	Yes	Micron	TLC	2200/2000	Kingston A2000
34	Kingston	Fury Renegade	Yes	x4 PCIe 4.0/NVMe	500GB-4TB	Phison E18	Yes	Micron	TLC	7300/7000	Kingston Fury Renegade

35	Kingston	KC2000		x4 PCIe 3.0/NVMe	256GB-2TB	SMI SM2262EN	Yes	Kioxia	TLC	3200/2200	Kingston KC2000
36	Kingston	KC2500		x4 PCIe 3.0/NVMe	250GB-2TB	SMI SM2262EN	Yes	Kioxia	TLC	3500/2900	Kingston KC2500
37	Kingston	KC3000	Yes	x4 PCIe 4.0/NVMe	512GB-4TB	Phison E18	Yes	Micron	TLC	7000/7000	Kingston KC3000
38	Kioxia	Exceria		x4 PCIe 3.0/NVMe	250GB-1TB	Phison E12C	Yes	Kioxia	TLC	1700/1600	Kioxia Exceria
39	Kioxia	Exceria Plus		x4 PCIe 3.0/NVMe	500GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3200	Kioxia Exceria Plus
40	Kioxia	Exceria Pro	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Kioxia	TLC	7300/6400	Kioxia Exceria Pro
41	Lexar	NM700		x4 PCIe 3.0/NVMe	256GB-1TB	Marvell 88SS109	Yes	Kioxia	TLC	3500/2000	Lexar NM700
42	MSI	M470	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	MSI Spatium M470
43	MSI	M480	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E18	Yes	Micron	TLC	7000/6850	MSI Spatium M480
44	MSI	M480 PRO	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7400/7000	MSI Spatium M480 PRO
45	Mushkin	GAMMA	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7175/6800	Mushkin Gamma
46	Mushkin	Pilot		x4 PCIe 3.0/NVMe	120GB-2TB	SMI SM2262	Yes	Micron	TLC	2710/1775	Mushkin Pilot
47	Mushkin	Pilot-E		x4 PCIe 3.0/NVMe	500GB-2TB	SMI SM2262EN	Yes	Micron	TLC	3500/3100	Mushkin Pilot-E
48	Patriot	Viper VP4100	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	4800/4000	Viper VP4100
49	Patriot	Viper VPN100		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3000	Patriot Viper VPN100
50	Patriot	Viper VPN110		x4 PCIe 3.0/NVMe	512GB-2TB	Phison E12S	Yes		TLC	3300/3000	Viper VPN110
51	Patriot	Viper VPR100		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3300/2900	Patriot VPR100
52	Plextor	M9P+		x4 PCIe 3.0/NVMe	256GB-1TB	Marvell 88SS109	Yes	Kioxia	TLC	3400/2200	Plextor M9P+
53	Plextor	M9PeY/G/GN		x4 PCIe 3.0/NVMe	256GB-1TB	Marvell 88SS109	Yes	Kioxia	TLC	3200/2100	Plextor M9Pe
54	PNY	CS3030		x4 PCIe 3.0/NVMe	250GB-4TB	Phison E12S	Yes	Kioxia	TLC	3500/3100	PNY CS3030
55	PNY	CS3040	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E16	Yes	Kioxia	TLC	5600/4300	PNY CS3040 sans heatsink
56	PNY	CS3140	Yes	x4 PCIe 4.0/NVMe	1TB-8TB	Phison E18	Yes	Micron	TLC	7500/6850	PNY CS3140
57	PNY	CS4040	Yes	x4 PCIe 4.0/NVMe	512GB-2TB	Phison E16	Yes	Kioxia	TLC	4800/4000	PNY CS4040
58	Sabrent	Rocket		x4 PCIe 3.0/NVMe	256GB-4TB	Phison E12S	Yes	Kioxia	TLC	3400/3000	Sabrent Rocket
59	Sabrent	Rocket 4.0	Yes	x4 PCIe 4.0/NVMe	512GB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	Sabrent Rocket 4.0
60	Sabrent	Rocket 4 Plus	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E18	Yes	Micron	TLC	7000/6850	Sabrent Rocket 4 Plus
61	Sabrent	Rocket 4 Plus-G	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7000/6850	Sabrent Rocket 4 Plus-G
62	Samsung	960 EVO		x4 PCIe 3.0/NVMe	512GB-2TB	Samsung Polaris	Yes	Samsung	TLC	3200/1900	Samsung 960 EVO
63	Samsung	960 Pro		x4 PCIe 3.0/NVMe	250GB-2TB	Samsung Polaris	Yes	Samsung	MLC	3500/2100	Samsung 960 Pro
64	Samsung	970 EVO		x4 PCIe 3.0/NVMe	250GB-2TB	Samsung Phoenix	Yes	Samsung	TLC	3500/2500	Samsung 970 EVO
65	Samsung	970 EVO Plus		x4 PCIe 3.0/NVMe	250GB-2TB	Samsung Phoenix	Yes	Samsung	TLC	3500/3300	Samsung 970 EVO Plus
66	Samsung	970 Pro		x4 PCIe 3.0/NVMe	512GB-1TB	Samsung Phoenix	Yes	Samsung	MLC	3500/2700	Samsung 970 Pro
67	Samsung	980 Pro	Yes	x4 PCIe 4.0/NVMe	250GB-2TB	Samsung Elpis	Yes	Samsung	TLC	7000/5000	Samsung 980 Pro
68	Samsung	990 Pro	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Samsung Pascal	Yes	Samsung	TLC	7450/6900	Samsung 990 PRO
69	SanDisk	Extreme Pro NVMe		x4 PCIe 3.0/NVMe	500GB-1TB	WD Proprietary	Yes	SanDisk	TLC	3400/2800	Sandisk Extreme Pro NVMe
70	SanDisk	Extreme Pro NVMe v2		x4 PCIe 3.0/NVMe	1TB-2TB	WD Proprietary	Yes	SanDisk	TLC	2000/2000	SanDisk Extreme Pro Portable SSD v2
71	Seagate	FireCuda 510		x4 PCIe 3.0/NVMe	1TB-2TB	Phison E12S	Yes	Kioxia	TLC	3450/3200	Seagate FireCuda 510 NVMe
72	Seagate	FireCuda 520	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E16	Yes	Kioxia	TLC	5500/4400	Seagate FireCuda 520
73	Seagate	FireCuda 530	Yes	x4 PCIe 4.0/NVMe	500GB-4TB	Phison E18	Yes	Micron	TLC	7300/6900	Seagate FireCuda 530
74	Silicon Power	P34A80		x4 PCIe 3.0/NVMe	256GB-1TB	Phison E12S	Yes	Kioxia	TLC	3200/3000	Silicon Power P34A80
75	Silicon Power	US70	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	Silicon Power US70
76	Silicon Power	XD80		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3000	Silicon Power XD80
77	Silicon Power	XS70	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7300/6800	Silicon Power XS70

78	Solidigm	P44 Pro	Yes	x4 PCIe 4.0/NVMe	512GB-2TB	Aries	Yes	Hynix	TLC	7000/6500	Solidigm P44 Pro
79	Team	Cardea II		x4 PCIe 3.0/NVMe	256GB-1TB	Phison E12S	Yes	Micron	TLC	3400/3000	Team Cardea II
80	Team	Cardea A440	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Micron	TLC	7000/6900	Team Cardea A440
81	Team	Cardea A440 Pro	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7400/7000	Team Cardea A440 Pro
82	Team	Cardea Ceramic C440	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	Team Cardea Ceramic C440
83	Team	Cardea Liquid		x4 PCIe 3.0/NVMe	256GB-1TB	Phison E12S	Yes	Kioxia	TLC	3400/3000	Team Cardea Liquid
84	Team	Cardea Zero	Yes	x4 PCIe 4.0/NVMe	256GB-1TB	Phison E16	Yes	Kioxia	TLC	4800/4000	Team Cardea Zero
85	Team	Cardea Zero Z440	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	Cardea Zero Z440
86	Team	MP32		x2 PCIe 3.0/NVMe	128GB-1TB	Phison E8	Yes	Kioxia	TLC	1550/950	Team MP32
87	Team	MP34		x4 PCIe 3.0/NVMe	256GB-4TB	Phison E12S	Yes	Kioxia	TLC	3500/2900	Team MP34
88	Team	T-Create Classic (NVMe 2)	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	Team T-Create Classic (NVMe 2)
89	Team	T-Create Expert		x4 PCIe 3.0/NVMe	1TB-2TB	SMI SM2262EN	Yes	Micron	TLC	3400/3000	Team T-Create Expert
90	Team	Z340		x4 PCIe 3.0/NVMe	256GB-1TB	SMI SM2262EN	Yes	Micron	TLC	3400/3000	Team Z340
91	Team	Z440	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400	Team Z440
92	Toshiba/Kioxia	RD500		x4 PCIe 3.0/NVMe	500GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3200	RD500
93	Transcend	SSD 220S		x4 PCIe 3.0/NVMe	256GB-2TB	SMI SM2262EN	Yes	Micron	TLC	3300/2800	Transcend SSD220S
94	Transcend	SSD 240S	Yes	x4 PCIe 4.0/NVMe	500GB-1TB	SMI SM2267	Yes	Micron	TLC	3800/3200	Transcend SSD 240S
95	Transcend	SSD 250S/MTE250S/250H	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	SMI SM2264	Yes	Kioxia	TLC	7500/6700	Transcend SSD 250S
96	WD	Black (later SN750)		x4 PCIe 3.0/NVMe	250GB-2TB	WD Proprietary	Yes	SanDisk	TLC	3470/3000	WD Black SN750
97	WD	SN750		x4 PCIe 3.0/NVMe	250GB-4TB	WD Proprietary	Yes	SanDisk	TLC	3470/3000	WD SN750
98	WD	SN850	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	WD Proprietary	Yes	SanDisk	TLC	7000/5300	WD SN850
99	WD	SN850X	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	WD Proprietary	Yes	SanDisk	TLC	7300	WD Black SN850X
100	WD	SN850P	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	WD Proprietary	Yes	SanDisk	TLC	7300	WD SN850P