

NVMe PCIe M.2 SSD Installation Guide

- Prepare the AIBOX2.1 product, NVMe SSD, Phillips screwdriver, and one screw from the accessory package (FH/M2×3/NI Coating).
- Installable SSD size specification: M.2 2280 SSD (22mm wide and 80mm long)

AIBOX4-PRO



AIBOX-PRO



**NVMe SSD
(2280)**



Phillips screwdriver



Screw (FH/M2×3/NI Coating)

INSTALLATION

- Make sure the product is powered off before installation.
- Open the case:

Use a screwdriver to loosen the four screws in the locations shown in the diagram below and open the case.



AIBOX-PRO



AIBOX4-PRO

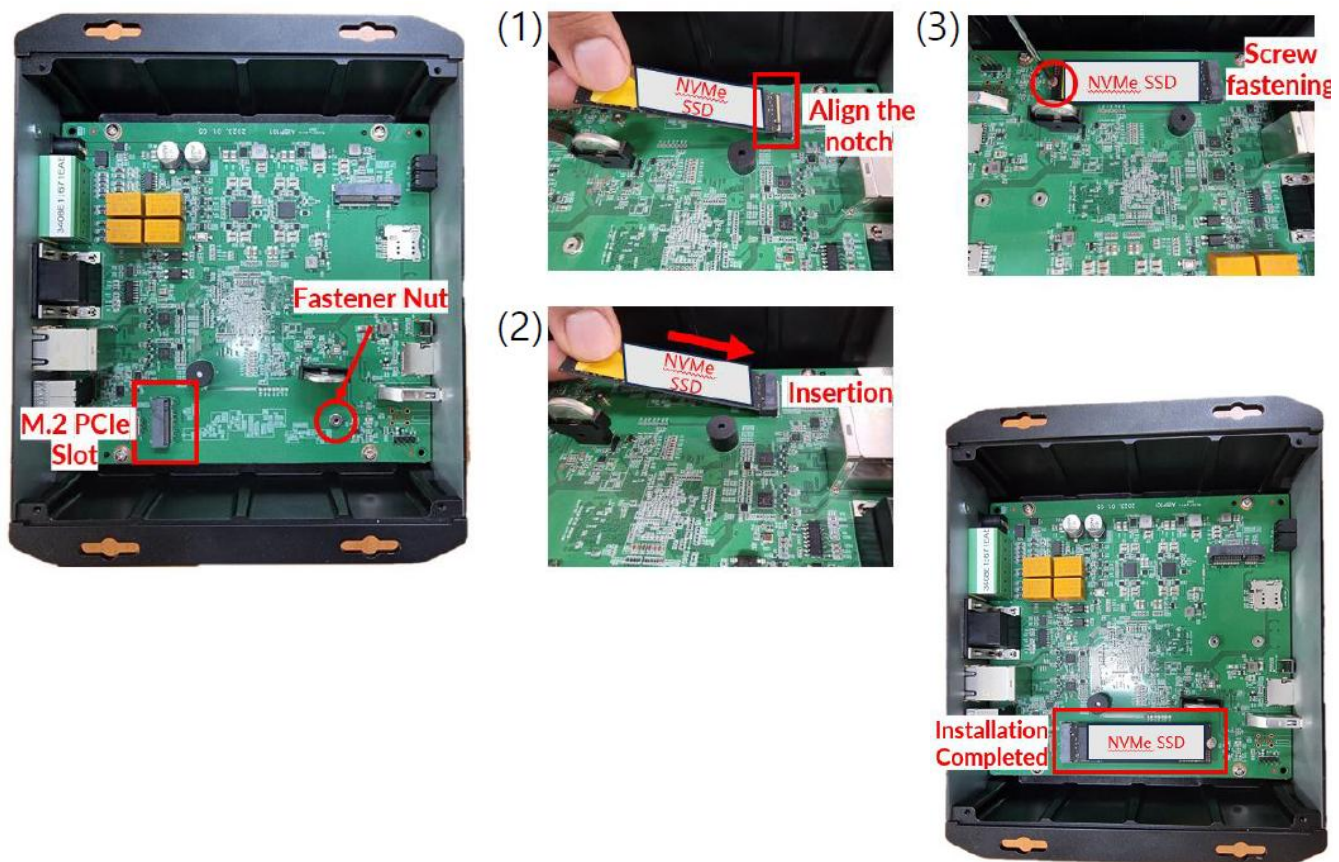
INSTALLATION AIBOX-PRO

- Open the case and locate the M.2 PCIe slot as shown in the diagram below.
- Insert the NVMe SSD:
 - (1) To insert the NVMe SSD, gently hold the sides of the SSD. (*Do not touch the gold connector pins)
 - (2) Align the notch on the SSD with the protrusion in the PCIe slot and insert it while maintaining a 30-degree angle.
(*Do not apply force to the connection area)

(3) To secure the drive, align the mounting hole of the SSD with the standoff, and tighten the screw provided in the accessory package. (*Do not overtighten the screw)

- Close the case:

Close the case and tighten the four screws with a screwdriver to secure the case.



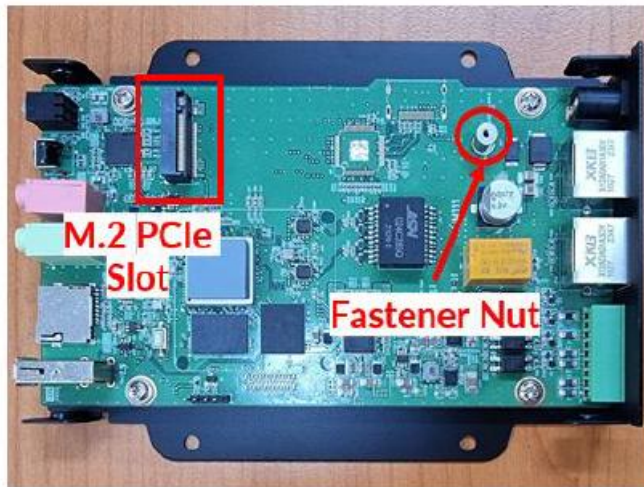
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NVME Compatibilty List 1.1 (20240911)

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/
1	ADATA	Legend 960/Max	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	SMI SM2264	Yes	Micron	TLC	7400/6800
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
5	Addlink	A90	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Micron	TLC	5000/4400
6	Addlink	A95	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7400/7000
7	Addlink	S70		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3000
8	Addlink	S90	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
9	Addlink	S95	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7100/6800
10	Addlink	X70		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/2500
11	Corsair	MP510		x4 PCIe 3.0/NVMe	240GB-4TB	Phison E12S	Yes	Kioxia	TLC	3480/3000
12	Corsair	MP600	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E16	Yes	Kioxia	TLC	4950/4250
13	Corsair	MP600 PRO	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7000/6850
14	Corsair	MP600 PRO NH	Yes	x4 PCIe 4.0/NVMe	500GB-4TB	Phison E18	Yes	Micron	TLC	7000/6500
15	Corsair	MP600 Pro Hydro X	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Micron	TLC	7000/6850
16	Corsair	MP600 Pro LPX	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7100/6800
17	Corsair	MP600 PRO XT	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7300/6900
18	Corsair	MP600 PRO XT Hydro X	Yes	x4 PCIe 4.0/NVMe	2TB-4TB	Phison E18	Yes	Micron	TLC	7100/6800
19	Crucial	P5		x4 PCIe 3.0/NVMe	250GB-2TB	Micron DM01B2	Yes	Micron	TLC	3400/3000
20	Crucial	P5 Plus	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Micron DM02A1	Yes	Micron	TLC	6600/5000
21	Crucial	T500	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E25	Yes	Micron	TLC	7400/7000
22	Gigabyte	Aorus		x4 PCIe 3.0/NVMe	256GB-1TB	Phison E12S	Yes	Kioxia	TLC	3480/2000
23	Gigabyte	Gen4 Aorus	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
24	Gigabyte	Gen4 Aorus v2/Premium	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Micron	TLC	7000/6850
25	Gigabyte	Gen4 Aorus 7300	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Micron	TLC	7300/6850
26	Gigabyte	M30		x4 PCIe 3.0/NVMe	512GB-1TB	SMI SM2262EN	Yes		TLC	3500/3000

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27	HP	EX900 Pro		x4 PCIe 3.0/NVMe	256GB-1TB	SMI SM2263	Yes	Micron	TLC	2095/1965
28	HP	EX920		x4 PCIe 3.0/NVMe	256GB-1TB	SMI SM2262	Yes	Micron	TLC	3200/1800
29	HP	EX950		x4 PCIe 3.0/NVMe	512GB-2TB	SMI SM2262EN	Yes	Micron	TLC	3500/2900
30	Hynix	Gold P31		x4 PCIe 3.0/NVMe	500GB-2TB	Cepheus II	Yes	Hynix	TLC	3500/3200
31	Hynix	Platinum P41	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Aries	Yes	Hynix	TLC	7000/6500
32	Intel	760p		x4 PCIe 3.0/NVMe	128GB-2TB	SMI SM2262	Yes	Intel	TLC	3230/1625
33	Kingston	A2000		x4 PCIe 3.0/NVMe	250GB-1TB	SMI SM2263	Yes	Micron	TLC	2200/2000
34	Kingston	Fury Renegade	Yes	x4 PCIe 4.0/NVMe	500GB-4TB	Phison E18	Yes	Micron	TLC	7300/7000
35	Kingston	KC2000		x4 PCIe 3.0/NVMe	256GB-2TB	SMI SM2262EN	Yes	Kioxia	TLC	3200/2200
36	Kingston	KC2500		x4 PCIe 3.0/NVMe	250GB-2TB	SMI SM2262EN	Yes	Kioxia	TLC	3500/2900
37	Kingston	KC3000	Yes	x4 PCIe 4.0/NVMe	512GB-4TB	Phison E18	Yes	Micron	TLC	7000/7000
38	Kioxia	Exceria		x4 PCIe 3.0/NVMe	250GB-1TB	Phison E12C	Yes	Kioxia	TLC	1700/1600
39	Kioxia	Exceria Plus		x4 PCIe 3.0/NVMe	500GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3200
40	Kioxia	Exceria Pro	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Kioxia	TLC	7300/6400
41	Lexar	NM700		x4 PCIe 3.0/NVMe	256GB-1TB	Marvell 88SS109	Yes	Kioxia	TLC	3500/2000
42	MSI	M470	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
43	MSI	M480	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E18	Yes	Micron	TLC	7000/6850
44	MSI	M480 PRO	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7400/7000
45	Mushkin	GAMMA	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7175/6800
46	Mushkin	Pilot		x4 PCIe 3.0/NVMe	120GB-2TB	SMI SM2262	Yes	Micron	TLC	2710/1775
47	Mushkin	Pilot-E		x4 PCIe 3.0/NVMe	500GB-2TB	SMI SM2262EN	Yes	Micron	TLC	3500/3100
48	Patriot	Viper VP4100	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	4800/4000
49	Patriot	Viper VPN100		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3000
50	Patriot	Viper VPN110		x4 PCIe 3.0/NVMe	512GB-2TB	Phison E12S	Yes		TLC	3300/3000
51	Patriot	Viper VPR100		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3300/2900
52	Plextor	M9P+		x4 PCIe 3.0/NVMe	256GB-1TB	Marvell 88SS109	Yes	Kioxia	TLC	3400/2200
53	Plextor	M9PeY/G/GN		x4 PCIe 3.0/NVMe	256GB-1TB	Marvell 88SS109	Yes	Kioxia	TLC	3200/2100
54	PNY	CS3030		x4 PCIe 3.0/NVMe	250GB-4TB	Phison E12S	Yes	Kioxia	TLC	3500/3100
55	PNY	CS3040	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E16	Yes	Kioxia	TLC	5600/4300
56	PNY	CS3140	Yes	x4 PCIe 4.0/NVMe	1TB-8TB	Phison E18	Yes	Micron	TLC	7500/6850
57	PNY	CS4040	Yes	x4 PCIe 4.0/NVMe	512GB-2TB	Phison E16	Yes	Kioxia	TLC	4800/4000
58	Sabrent	Rocket		x4 PCIe 3.0/NVMe	256GB-4TB	Phison E12S	Yes	Kioxia	TLC	3400/3000
59	Sabrent	Rocket 4.0	Yes	x4 PCIe 4.0/NVMe	512GB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
60	Sabrent	Rocket 4 Plus	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E18	Yes	Micron	TLC	7000/6850

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61	Sabrent	Rocket 4 Plus-G	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7000/6850
62	Samsung	960 EVO		x4 PCIe 3.0/NVMe	512GB-2TB	Samsung Polaris	Yes	Samsung	TLC	3200/1900
63	Samsung	960 Pro		x4 PCIe 3.0/NVMe	250GB-2TB	Samsung Polaris	Yes	Samsung	MLC	3500/2100
64	Samsung	970 EVO		x4 PCIe 3.0/NVMe	250GB-2TB	Samsung Phoeni	Yes	Samsung	TLC	3500/2500
65	Samsung	970 EVO Plus		x4 PCIe 3.0/NVMe	250GB-2TB	Samsung Phoeni	Yes	Samsung	TLC	3500/3300
66	Samsung	970 Pro		x4 PCIe 3.0/NVMe	512GB-1TB	Samsung Phoeni	Yes	Samsung	MLC	3500/2700
67	Samsung	980 Pro	Yes	x4 PCIe 4.0/NVMe	250GB-2TB	Samsung Elpis	Yes	Samsung	TLC	7000/5000
68	Samsung	990 Pro	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Samsung Pascal	Yes	Samsung	TLC	7450/6900
69	SanDisk	Extreme Pro NVMe		x4 PCIe 3.0/NVMe	500GB-1TB	WD Proprietary	Yes	SanDisk	TLC	3400/2800
70	SanDisk	Extreme Pro NVMe v2		x4 PCIe 3.0/NVMe	1TB-2TB	WD Proprietary	Yes	SanDisk	TLC	2000/2000
71	Seagate	FireCuda 510		x4 PCIe 3.0/NVMe	1TB-2TB	Phison E12S	Yes	Kioxia	TLC	3450/3200
72	Seagate	FireCuda 520	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	Phison E16	Yes	Kioxia	TLC	5500/4400
73	Seagate	FireCuda 530	Yes	x4 PCIe 4.0/NVMe	500GB-4TB	Phison E18	Yes	Micron	TLC	7300/6900
74	Silicon Power	P34A80		x4 PCIe 3.0/NVMe	256GB-1TB	Phison E12S	Yes	Kioxia	TLC	3200/3000
75	Silicon Power	US70	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
76	Silicon Power	XD80		x4 PCIe 3.0/NVMe	256GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3000
77	Silicon Power	XS70	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7300/6800
78	Solidigm	P44 Pro	Yes	x4 PCIe 4.0/NVMe	512GB-2TB	Aries	Yes	Hynix	TLC	7000/6500
79	Team	Cardea II		x4 PCIe 3.0/NVMe	256GB-1TB	Phison E12S	Yes	Micron	TLC	3400/3000
80	Team	Cardea A440	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E18	Yes	Micron	TLC	7000/6900
81	Team	Cardea A440 Pro	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	Phison E18	Yes	Micron	TLC	7400/7000
82	Team	Cardea Ceramic C440	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
83	Team	Cardea Liquid		x4 PCIe 3.0/NVMe	256GB-1TB	Phison E12S	Yes	Kioxia	TLC	3400/3000
84	Team	Cardea Zero	Yes	x4 PCIe 4.0/NVMe	256GB-1TB	Phison E16	Yes	Kioxia	TLC	4800/4000
85	Team	Cardea Zero Z440	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
86	Team	MP32		x2 PCIe 3.0/NVMe	128GB-1TB	Phison E8	Yes	Kioxia	TLC	1550/950
87	Team	MP34		x4 PCIe 3.0/NVMe	256GB-4TB	Phison E12S	Yes	Kioxia	TLC	3500/2900
88	Team	T-Create Classic (NVMe 2)	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
89	Team	T-Create Expert		x4 PCIe 3.0/NVMe	1TB-2TB	SMI SM2262EN	Yes	Micron	TLC	3400/3000
90	Team	Z340		x4 PCIe 3.0/NVMe	256GB-1TB	SMI SM2262EN	Yes	Micron	TLC	3400/3000
91	Team	Z440	Yes	x4 PCIe 4.0/NVMe	1TB-2TB	Phison E16	Yes	Kioxia	TLC	5000/4400
92	Toshiba/Kioxia	RD500		x4 PCIe 3.0/NVMe	500GB-2TB	Phison E12S	Yes	Kioxia	TLC	3400/3200
93	Transcend	SSD 220S		x4 PCIe 3.0/NVMe	256GB-2TB	SMI SM2262EN	Yes	Micron	TLC	3300/2800

94	Transcend	SSD 240S	Yes	x4 PCIe 4.0/NVMe	500GB-1TB	SMI SM2267	Yes	Micron	TLC	3800/3200
95	Transcend	SSD 250S/MTE250S/250H	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	SMI SM2264	Yes	Kioxia	TLC	7500/6700
96	WD	Black (later SN750)		x4 PCIe 3.0/NVMe	250GB-2TB	WD Proprietary	Yes	SanDisk	TLC	3470/3000
97	WD	SN750		x4 PCIe 3.0/NVMe	250GB-4TB	WD Proprietary	Yes	SanDisk	TLC	3470/3000
98	WD	SN850	Yes	x4 PCIe 4.0/NVMe	500GB-2TB	WD Proprietary	Yes	SanDisk	TLC	7000/5300
99	WD	SN850X	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	WD Proprietary	Yes	SanDisk	TLC	7300
100	WD	SN850P	Yes	x4 PCIe 4.0/NVMe	1TB-4TB	WD Proprietary	Yes	SanDisk	TLC	7300