

HighPoint R7608A Compatibility List

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This document was designed to serve as general reference for compatibility between the HighPoint R7608A and specific motherboards/SSDs described herein.

The motherboards included in this document are recommended for HighPoint R7608A x16 PCIE 5.0 configurations. Specific motherboards may have special requirements or restrictions. Please refer to the motherboard's PCIe Expansion slot settings.

Note: *Bifurcation is not required. HighPoint R7608A NVMe RAID AIC can be used with "Non-Bifurcation" motherboards.*

Motherboard Compatibility List

Note: The recommended PCIe slot we filled in are based on the description of the motherboard manual.

Manufacture	Product Name	Chipset/CPU Mode	Recommended PCIe slot #	Data RAID support	Boot RAID support
ASUS	PRIME X670-P WIFI	AMD X670	PCIEX16_1(gen5)	√	√
ASUS	ASUS ProArt X670E-CREATOR WIFI	AMD X670	PXIEX16_1, PCIEX16_2, PCIEX16_3	√	√
ASRock	ROMED8-2T	AMD EPYC 7002/7003 Series	PCIE1, PCIE2, PCIE3, PCIE4, PCIE5, PCIE6, PCIE7	√	√
ASUS	Pro WS WRX80E-SAGE SE WIFI	AMD WRX80	PCIE4.0/3.0 X16_1 PCIE4.0/3.0 X16_2 PCIE4.0/3.0 X16_3 PCIE4.0/3.0 X16_4 PCIE4.0/3.0 X16_5 PCIE4.0/3.0 X16_6 PCIE4.0/3.0 X16_7	√	√
Supermicro	X11DPH-T	Intel C622	CPU2 SLOT2 PCI-E 3.0X16 CPU2 SLOT4 PCI-E 3.0X16 CPU2 SLOT5 PCI-E 3.0X16	√	√
Supermicro	X11DPI-NT	Intel C622	CPU1 Slot2 PCI-E 3.0X16 CPU2 Slot4 PCI-E 3.0X16 CPU2 Slot5 PCI-E 3.0X16 CPU2 Slot6 PCI-E 3.0X16	√	√
Supermicro	X11SPI-TF	Intel C622	CPU SLOT4 PCI-E 3.0X16 CPU SLOT6 PCI-E 3.0X16	√	√
Supermicro	X11SPM-TPF	Intel C622	CPU1 SLOT4 PCI-E 3.0X16 CPU1 SLOT6 PCI-E 3.0X16	√	√
Supermicro	X11DPH-TQ	Intel C627	CPU2 SLOT2 PCI-E 3.0X16 CPU2 SLOT4 PCI-E 3.0X16 CPU2 SLOTS5 PCI-E 3.0X16	√	√
Supermicro	X11DPL-i	Intel C621	CPU1 SLOT5 PCI-E 3.0X16 CPU2 SLOT3 PCI-E 3.0X16	√	√
Supermicro	X11DPi-N	Intel C621	CPU1 Slot2 PCI-E 3.0X16 CPU2 Slot4 PCI-E 3.0X16 CPU2 Slot5 PCI-E 3.0X16 CPU2 Slot6 PCI-E 3.0X16	√	√
Supermicro	X11DAi-N	Intel C621	CPU1 SLOT1 PCI-E 3.0X16 CPU1 SLOT2 PCI-E 3.0X16 CPU2 SLOT3 PCI-E 3.0X16 CPU2 SLOTS5 PCI-E 3.0X16	√	√
Supermicro	X11DPX-T	Intel C621	JPCIE2(CPU1 SLOT2 PCI-E 3.0X16) JPCIE4(CPU1 SLOT4 PCI-E 3.0X16) JPCIE6(CPU2 SLOT6 PCI-E 3.0X16) JPCIE8(CPU2 SLOT8 PCI-E 3.0X16)	√	√
Supermicro	X11DAC	Intel C621	CPU1 SLOT1 PCI-E 3.0X16 CPU2 SLOT3 PCI-E 3.0X16 CPU2 SLOTS5 PCI-E 3.0X16	√	√
Supermicro	X11DPH-I	Intel C621	CPU2 SLOT2 PCI-E 3.0X16 CPU2 SLOT4 PCI-E 3.0X16 CPU2 SLOTS5 PCI-E 3.0X16	√	√
Supermicro	X12DPi-N6	Intel C621A	CPU1 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU2 SLOT4 PCI-E 4.0 x16 CPU2 SLOTS5 PCI-E 4.0 x16	√	√
Supermicro	X12DPi-NT6	Intel C621A	CPU1 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU2 SLOT4 PCI-E 4.0 x16 CPU2 SLOTS5 PCI-E 4.0 x16	√	√
Supermicro	X12DPL-i6	Intel C621A	CPU2 SLOT1 PCI-E 4.0 x16 CPU1 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU1 SLOT4 PCI-E 4.0 x16	√	√
Supermicro	X12DPL-NT6	Intel C621A	CPU2 SLOT1 PCI-E 4.0 x16 CPU1 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16	√	√

			CPU1 SLOT4 PCI-E 4.0 x16		
Supermicro	X12DAI-N6	Intel C621A	CPU1 SLOT1 PCI-E 4.0 x16 CPU2 SLOT2 PCI-E 4.0 x16 CPU1 SLOT3 PCI-E 4.0 x16 CPU2 SLOT4 PCI-E 4.0 x16 CPU1 SLOT5 PCI-E 4.0 x16	✓	✓
Supermicro	X12-SPL-F	Intel C621A	CPU1 SLOT6 PCI-E 4.0 x16	✓	✓
Supermicro	H12SSL-i	AMD EPYC 7002/7003 Series	CPU SLOT1 PCI-E 4.0 X16 CPU SLOT3 PCI-E 4.0 X16 CPU SLOT5 PCI-E 4.0 X16 CPU SLOT6 PCI-E 4.0 X16 CPU SLOT7 PCI-E 4.0 X16	✓	✓
Supermicro	H12DSG-O	AMD EPYC 7002/7003 Series	1X PCIE4.0 X16 via Riser slot	✓	✓
Supermicro	H12DSi-NT6	AMD EPYC 7002/7003 Series	CPU SLOT2 PCI-E 4.0 x16 CPU SLOT4 PCI-E 4.0 x16 CPU SLOT6 PCI-E 4.0 x16	✓	✓
Supermicro	H12DSU-iN	AMD EPYC 7002/7003 Series	1X PCIE4.0 X16 via Riser slot 1X PCIE4.0 X32 via Riser slot	✓	✓
Supermicro	H12SSW-NT	AMD EPYC 7002/7003 Series	1X PCIE4.0 X16 via Riser slot 1X PCIE4.0 X32 via Riser slot	✓	✓
Supermicro	H12SSL-NT	AMD EPYC 7002/7003 Series	CPU SLOT1 PCI-E 4.0 X16 CPU SLOT3 PCI-E 4.0 X16 CPU SLOT5 PCI-E 4.0 X16 CPU SLOT6 PCI-E 4.0 X16 CPU SLOT7 PCI-E 4.0 X16	✓	✓
Supermicro	H12SSL-C	AMD EPYC 7002/7003 Series	CPU SLOT1 PCI-E 4.0 X16 CPU SLOT3 PCI-E 4.0 X16 CPU SLOT5 PCI-E 4.0 X16 CPU SLOT6 PCI-E 4.0 X16 CPU SLOT7 PCI-E 4.0 X16	✓	✓
Supermicro	H12SSL-CT	AMD EPYC 7002/7003 Series	CPU SLOT1 PCI-E 4.0 X16 CPU SLOT3 PCI-E 4.0 X16 CPU SLOT5 PCI-E 4.0 X16 CPU SLOT6 PCI-E 4.0 X16 CPU SLOT7 PCI-E 4.0 X16	✓	✓
Supermicro	SYS-2025HS-TNR	AMD EPYC 9004 Series	SLOT1, SLOT3, SLOT5, SLOT7	✓	✓
Supermicro	H13DSH	AMD EPYC 9004 Series	JPCIE1 x16, JPCIE2 x16	✓	✓
Supermicro	SYS-741GE-TNRT	Intel C741	P1 SLOT2, P1 SLOT4, P2 SLOT5, P2 SLOT7, P2 SLOT9, P2 SLOT10 P2 SLOT11	✓	✓
Dell	Precision 7920 Tower Workstation	Intel C621	PCIe3x16 75W (slot2) PCIe3x16 75W (slot4)	✓	✓
Dell	Precision 7960 Tower Workstation	Intel W790	SLOT1 PCIe5 x16 SLOT4 PCIe4 x16 SLOT5 PCIe5 x16 SLOT8 PCIe4 x16	✓	✓

NVMe SSD Compatibility List

Manufacture	Model/Series	Form Factor	Capacity	Remark
PCIe Gen3				
Samsung	970 PRO	M.2	512GB, 1TB	
PCIe Gen4				
Samsung	980PRO	M.2	250GB, 500GB, 1TB, 2TB	
Samsung	990PRO	M.2	1TB, 2TB, 4TB	
Seagate	FireCuda 530	M.2	500GB, 1TB, 2TB, 4TB	
Sabrent	Rocket NVMe 4.0	M.2	500GB, 1TB, 2TB	
KIOXIA	XG8 Series	M.2	512GB, 1024GB, 2048GB, 4096GB	
PCIe Gen5				
Crucial	Crucial T700	M.2	1TB, 2TB, 4TB	
Phison	PS5026-E26 Gen5 Pro	M.2	1000GB, 2000GB, 4000GB	

If you have any questions about compatibility, please contact us at Sales@highpoint-tech.com