

HighPoint RA7749M2W-B128T0-11 Compatibility List

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This document was designed to serve as general reference for compatibility between the HighPoint RA7749M2W-B128T0-11 and specific motherboards's described herein.

The motherboards included in this document are recommended for HighPoint RA7749M2W-B128T0-11 x16 PCIE 4.0 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 RocketAIC7749M2W Series NVMe RAID SSDs 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 X299-DELUXE	Intel X299	PCIEX16_1, PCIEX16_3	✓	✓
ASUS	ROG STRIX X299-E	Intel X299	PCIEX16/X8_1, PCIEX16/X8_2	✓	✓
ASUS	TUF X299 MARK 1	Intel X299	PCIEX16_1, PCIEX16_2	✓	✓
ASUS	PRIME X299-A	Intel X299	PCIEX16_1, PCIEX16_2	✓	✓
ASUS	TUF X299 MARK 2	Intel X299	PCIEX16_1, PCIEX16_2	✓	✓
ASUS	WS X299 SAGE	Intel X299	PCIEX16_1, PCIEX16_3 PCIEX16_5, PCIEX16_7	✓	✓
ASUS	ROG MAXIMUS Z690 HERO	Intel Z690	PCIEX16(G5)_1	✓	✓
ASUS	ProArt Z690-CREATOR WIFI	Intel Z690	PCIEX16_1(gen5)	✓	✓
ASUS	PRIME X670-P WIFI	AMD X670	PCIEX16_1(gen5)	✓	✓
ASUS	ASUS ProArt X670E-CREATOR WIFI	AMD X670	PXIEX16_1, PCIEX16_2, PCIEX16_3	✓	✓
ASUS	KRPA-U16	AMD EPYC 7002/7003 Series	PCIEx24_6(gen4)	✓	✓
ASUS	ASUS RS720A-E11-RS12	AMD EPYC 7003 Series	PCIEX16(gen4)	✓	✓
ASUS	Pro WS WRX80E-SAGE SE WIFI	AMD WRX80	PCIEX4.0/3.0 X16_1 PCIEX4.0/3.0 X16_2 PCIEX4.0/3.0 X16_3 PCIEX4.0/3.0 X16_4 PCIEX4.0/3.0 X16_5 PCIEX4.0/3.0 X16_6 PCIEX4.0/3.0 X16_7	✓	✓
GIGABYTE	X299 AORUS Gaming 9	Intel X299	PCIEX16_1, PCIEX16_2	✓	✓
GIGABYTE	X299 AORUS Gaming 7	Intel X299	PCIEX16_1, PCIEX16_2	✓	✓
GIGABYTE	X299 AORUS Gaming 3	Intel X299	PCIEX16_1, PCIEX16_2	✓	✓
GIGABYTE	X299 UD4	Intel X299	PCIEX16_1, PCIEX16_2	✓	✓
GIGABYTE	GA-X299 DESIGNARE EX	Intel X299	PCIEX16_1, PCIEX16_2	✓	✓
GIGABYTE	Z690 Aorus Master	Intel Z690	PCIEX16_1(gen5)	✓	✓
GIGABYTE	MZ32-AR0	AMD EPYC 7002/7003 Series	PCIEX16_3, PCIEX16_4 PCIEX16_6, PCIEX16_7	✓	✓
GIGABYTE	MZ72-HB0	AMD EPYC 7002/7003 Series	PCIEX16_3, PCIEX16_4 PCIEX16_6 (gen4)	✓	✓
ASRock	Fatal1ty X299 Gaming K6	Intel X299	PCIEX1, PCIEX3	✓	✓
ASRock	Fatal1ty X299 Professional Gaming i9	Intel X299	PCIEX1, PCIEX3	✓	✓
ASRock	X299 Killer SLI/ac	Intel X299	PCIEX1, PCIEX3	✓	✓
ASRock	X299 Taiichi	Intel X299	PCIEX1, PCIEX3	✓	✓
ASRock	ROMED8-2T	AMD EPYC 7002/7003 Series	PCIEX1, PCIEX2, PCIEX3, PCIEX4, PCIEX5, PCIEX6, PCIEX7	✓	✓
MSI	X299 GAMING M7 ACK	Intel X299	PCI_E1, PCI_E4	✓	✗
MSI	X299 GAMING PRO CARBON AC	Intel X299	PCI_E1, PCI_E4	✓	✗
MSI	X299 GAMING PRO CARBON	Intel X299	PCI_E1, PCI_E4	✓	✗
MSI	X299 TOMAHAWK ARCTIC	Intel X299	PCI_E1, PCI_E4	✓	✗
MSI	X299 TOMAHAWK AC	Intel X299	PCI_E1, PCI_E4	✓	✗
MSI	X299 TOMAHAWK	Intel X299	PCI_E1, PCI_E4	✓	✗
MSI	X299 SLI PLUS	Intel X299	PCI_E1, PCI_E4	✓	✗
MSI	X299 RAIDER	Intel X299	PCI_E1, PCI_E3	✓	✗
MSI	PRO Z690-A	Intel Z690	PCI_E1(gen5)	✓	✓
MSI	MEG Z690 ACE	Intel Z690	PCI_E1(gen5)	✓	✓
MSI	MPG Z690 EDGE TI	Intel Z690	PCI_E1(gen5)	✓	✓
MSI	MPG Z690 CARBON WIFI	Intel Z690	PCI_E1(gen5)	✓	✓
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 SLOT5 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 SLOT5 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	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	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 SLOT5 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 SLOT5 PCI-E 3.0X16	✓	✓
Supermicro	X11DPH-I	Intel C621	CPU2 SLOT2 PCI-E 3.0X16 CPU2 SLOT4 PCI-E 3.0X16 CPU2 SLOT5 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 SLOT5 PCI-E 3.0X16	✓	✓
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	H13SSW	AMD EPYC 9004 Series	2X PCIe5.0 X16 via Riser slot	√	√
Supermicro	SYS-2025HS-TNR	AMD EPYC 9004 Series	SLOT1, SLOT3, SLOT5, SLOT7	√	√
Supermicro	H13DSH	AMD EPYC 9004 Series	JPCI1 x16, JPCI2 x16	√	√
Supermicro	AS-1024US-TRT	AMD EPYC 7002/7003 Series	2X PCIe4.0 X16 via Riser slot	√	√
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	√	√
HPE	HPE ProLiant ML110 Gen10 Server	Intel C621	PCIEX16_1, PCIEX16_4 (gen3)	√	√

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