

HighPoint RocketAIC 7140AW Series Compatibility List

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This document was designed to serve as general reference for compatibility between the HighPoint RocketAIC 7140AW Series and specific motherboards's described herein.

The motherboards included in this document are recommended for HighPoint RocketAIC 7140AW Series x16 PCIE 3.0 or 4.0 or 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 SSD series NVMe RAID controllers 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	Recommended PCIe slot #
ASUS	PRIME TRX40-PRO	AMD TRX40	PCIEX16_1, PCIEX16_2, PCIEX16_3
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
ASUS	PRIME X399-A	AMD X399	PCIEX16_1, PCIEX16_3
ASUS	ROG STRIX X399-E GAMING	AMD X399	PCIEX16_1, PCIEX16_3
ASUS	ROG ZENITH EXTREME	AMD X399	PCIEX16_1, PCIEX16_3
ASUS	PRIME X570-P	AMD X570	PCIEX16_1
ASUS	PRIME X570-PRO	AMD X570	PCIEX16_1
ASUS	Pro WS X570-ACE	AMD X570	PCIEX16_1
ASUS	ROG Crosshair VIII Formula	AMD X570	PCIEX16_1
ASUS	ROG Crosshair VIII Hero (WI-FI)	AMD X570	PCIEX16_1
ASUS	ROG Crosshair VIII Impact	AMD X570	PCIEX16_1
ASUS	ROG Strix X570-E Gaming	AMD X570	PCIEX16_1
ASUS	ROG Strix X570-F Gaming	AMD X570	PCIEX16_1
ASUS	ROG Strix X570-I Gaming	AMD X570	PCIEX16_1
ASUS	TUF GAMING X570-PLUS	AMD X570	PCIEX16_1
ASUS	TUF GAMING X570-PLUS (WI-FI)	AMD X570	PCIEX16_1
ASUS	Z10PA-U8	Intel C612 PCH	PCIEX4, PCIEX6
ASUS	Z10PE-D16 WS	Intel C612 PCH	PCIEX16_2, PCIEX16_4 PCIEX16_5, PCIEX16_6
ASUS	Z10PE-D8 WS	Intel C612 PCH	PCIEX16_1, PCIEX16_3 PCIEX16_5, PCIEX16_7
ASUS	PRIME X299-DELUXE	Intel X299	PCIEX16_1, PCIEX16_3
ASUS	PRIME X299-A	Intel X299	PCIEX16_1, PCIEX16_2
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	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	X99-E WS/USB 3.1	Intel X99	PCIEX16_1, PCIEX16_3 PCIEX16_5, PCIEX16_7
ASUS	X99-E-10G WS	Intel X99	PCIEX16_1, PCIEX16_3 PCIEX16_5, PCIEX16_7
ASUS	X99-WS/IPMI	Intel X99	PCIEX16_2, PCIEX16_3
ASUS	PRIME Z390 SERIES	Intel Z390	PCIEX16_1
ASUS	ROG MAXIMUS XIII HERO	Intel Z590	PCIEX16_1
ASUS	ROG MAXIMUS Z690 HERO	Intel Z690	PCIEX16(G5)_1
GIGABYTE	X299 AORUS Gaming 9	Intel X299	PCIEX16_1, PCIEX16_2
GIGABYTE	X399 AORUS Gaming 7	AMD X399	PCIEX16_1, PCIEX16_2
GIGABYTE	X399 AORUS PRO	AMD X399	PCIEX16_1, PCIEX16_2
GIGABYTE	X399 AORUS XTREME	AMD X399	PCIEX16_1, PCIEX16_2
GIGABYTE	X399 DESIGNARE EX	AMD X399	PCIEX16_1, PCIEX16_2
GIGABYTE	X570 AORUS ELITE WIFI	AMD X570	PCIEX16
GIGABYTE	X570 AORUS MASTER	AMD X570	PCIEX16
GIGABYTE	X570 AORUS PRO WIFI	AMD X570	PCIEX16
GIGABYTE	X570 AORUS XTREME	AMD X570	PCIEX16
GIGABYTE	X570 GAMING X	AMD X570	PCIEX16
GIGABYTE	X570 I AORUS PRO WIFI	AMD X570	PCIEX16
GIGABYTE	X570 UD	AMD X570	PCIEX16
GIGABYTE	MD70-HB0	Intel C612	PCIEX2, PCIEX4, PCIEX6
GIGABYTE	MD70-HB2	Intel C612	PCIEX2, PCIEX4, PCIEX6
GIGABYTE	GA-X299 DESIGNARE EX	Intel X299	PCIEX16_1, PCIEX16_2
GIGABYTE	X299 AORUS Gaming 3	Intel X299	PCIEX16_1, PCIEX16_2
GIGABYTE	X299 AORUS Gaming 7	Intel X299	PCIEX16_1, PCIEX16_2
GIGABYTE	X299 UD4	Intel X299	PCIEX16_1, PCIEX16_2
GIGABYTE	GA-X99P-SLI	Intel X99	PCIEX1, PCIEX2
GIGABYTE	GA-X99-UD4	Intel X99	PCIEX1, PCIEX2

GIGABYTE	GA-X99-UD7 WIFI	Intel X99	PCIE1, PCIE2
GIGABYTE	GA-Z390 AORUS XTREME	Intel Z390	PCIEX16
ASRock	Fatal1ty X299 Gaming K6	Intel X299	PCIE1, PCIE3
ASRock	Fatal1ty X299 Professional Gaming i9	Intel X299	PCIE1, PCIE3
ASRock	X299 Killer SLI/ac	Intel X299	PCIE1, PCIE3
ASRock	X299 Taiichi	Intel X299	PCIE1, PCIE3
ASRock	X99 WS	Intel X99	PCIE1, PCIE4
ASRock	Rack EPC621D8A	Intel C621	SLOT6 PCIe3.0 x16 SLOT4 PCIe3.0 x16
MSI	X99A WORKSTATION	Intel X99	PCI_E1, PCI_E4
MSI	X99A SLI	Intel X99	PCI_E1, PCI_E4
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
Supermicro	H11DSi-NT	AMD EPYC 7001/7002 Series	CPU1 SLOT2 PCI-E 3.0 x16 CPU1 SLOT4 PCI-E 3.0 x16
Supermicro	H11DSi	AMD EPYC 7001/7002 Series	CPU1 SLOT2 PCI-E 3.0 x16 CPU1 SLOT4 PCI-E 3.0 x16
Supermicro	H11SSL-NC	AMD EPYC 7001/7002 Series	CPU SLOT2 PCI-E 3.0 x16 CPU SLOT4 PCI-E 3.0 x16 CPU SLOT6 PCI-E 3.0 x16
Supermicro	H11SSL-i	AMD EPYC 7001/7002 Series	CPU SLOT2 PCI-E 3.0 x16 CPU SLOT4 PCI-E 3.0 x16 CPU SLOT6 PCI-E 3.0 x16
Supermicro	H11SSL-C	AMD EPYC 7001/7002 Series	CPU SLOT2 PCI-E 3.0 x16 CPU SLOT4 PCI-E 3.0 x16 CPU SLOT6 PCI-E 3.0 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	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	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	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	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)

			JPCI-E8(CPU2 SLOT8 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	X11DPH-I	Intel C621	CPU2 SLOT2 PCI-E 3.0X16 CPU2 SLOT4 PCI-E 3.0X16 CPU2 SLOT5 PCI-E 3.0X16
Supermicro	X11DPH-T	Intel C622	CPU2 SLOT2 PCI-E 3.0X16 CPU2 SLOT4 PCI-E 3.0X16 CPU2 SLOT5 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	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	X11SRA-RF	Intel PCH C422	CPU SLOT4 PCI-E 3.0X16 CPU SLOT6 PCI-E 3.0X16
Dell	Precision 3660 Tower	Intel W680	Slot2 PCIe x16 Gen5
Dell	Precision 3930 Rack	Intel C246	Riser 1A Slot1 PCIe x16 Gen3
Dell	Precision 5820 Tower	Intel C621	Slot2 PCIe x16 Gen3 Slot4 PCIe x16 Gen3
Dell	Precision 5860 Tower	Intel W790	Slot1 PCIe 4.0 x16 Slot4 PCIe 4.0 x16
Dell	Precision 7820 Tower	Intel C621	Slot2 PCIe x16 Gen3 Slot4 PCIe x16 Gen3
Dell	Precision 7865 Tower	AMD WRX80	Slot1 PCIe 4.0 x16 Slot4 PCIe 4.0 x16
Dell	Precision 7910 Tower	Intel C612	SLOT1 PCIE 3.0 X16 SLOT2 PCIE 3.0 X16 SLOT3 PCIE 2.0 X16 SLOT4 PCIE 3.0 X16 CPU2 SLOT1 PCIE 3.0 X16 CPU2 SLOT2 PCIE3.0 X16
Dell	Precision 7920 Rack	Intel C620	Slot1 PCIe x16 Slot2 PCIe x16 (x8 electrical) Slot3 PCIe x16 (x8 electrical) Slot4 PCIe x16 Slot5 PCIe x16 (x8 electrical) Slot6 PCIe x16 (x8 electrical) Slot7 PCIe x16 (x8 electrical) Slot8 PCIe x16
Dell	Precision 7920 Tower	Intel C621	PCIe3x16 75W (slot2) PCIe3x16 75W (slot4)
Dell	Precision 7960 Rack	Intel W790	Slot1 PCIe x16 Gen4 Slot2 PCIe x16 Gen5 Slot3 PCIe x16 Gen4 Slot6 PCIe x16 Gen4 Slot7 PCIe x16 Gen5
Dell	Precision 7960 Tower	Intel W790	Slot1 PCIe x16 Gen5 Slot4 PCIe x16 Gen4 Slot5 PCIe x16 Gen5 Slot8 PCIe x16 Gen4
HP	HPE ProLiant DL360 Gen8 Server	Intel C600	Slot2 PCIe 3.0 x16

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