

## HighPoint Rocket 1604A Compatibility List

2025/4/17

This document was designed to serve as general reference for compatibility between the HighPoint Rocket 1604A NVMe Switch AIC and specific motherboards/SSDs described herein.

The motherboards included in this document are recommended for HighPoint Rocket 1604A 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 Rocket 1604A NVMe Switch 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 #   |
|-------------|----------------------------------|---------------------------|---|
| ASRock      | Z790 PG Lightning- PCIe5.0       | Intel Z790                | PCIe1   |
| ASRock      | ROMED8-2T                        | AMD EPYC 7002/7003 Series | PCIe1, PCIe2, PCIe3, PCIe4, PCIe5, PCIe6, PCIe7   |
| ASRock      | WRX90 WS EVO                     | AMD WRX90                 | PCIe1<br>PCIe2<br>PCIe3<br>PCIe4<br>PCIe5<br>PCIe7  |
| ASUS        | Pro WS WRX80E-SAGE SE WIFI       | AMD WRX80                 | PCIe4.0/3.0 X16_1<br>PCIe4.0/3.0 X16_2<br>PCIe4.0/3.0 X16_3<br>PCIe4.0/3.0 X16_4<br>PCIe4.0/3.0 X16_5<br>PCIe4.0/3.0 X16_6<br>PCIe4.0/3.0 X16_7 |
| ASUS        | PRO WS WRX90E-SAGE SE            | AMD WRX90                 | PCIEX16(G5)_1<br>PCIEX16(G5)_2<br>PCIEX16(G5)_3<br>PCIEX16(G5)_4<br>PCIEX16(G5)_5<br>PCIEX16(G5)_6<br>PCIEX16(G5)_7                             |
| 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        | Pro WS TRX50-SAGE WIFI           | AMD TRX50                 | PCIEX16(G5)_1<br>PCIEX16(G5)_2<br>PCIEX16(G4)_2   |
| ASUS        | MAXIMUS Z790 DARK HERO           | Intel Z790                | PCIEX16(G5)_1   |
| ASUS        | Pro WS W790E-SAGE SE             | Intel W790                | PCIe X16(G5)_1<br>PCIe X16(G5)_2<br>PCIe X16(G5)_3<br>PCIe X16(G5)_4<br>PCIe X16(G5)_5<br>PCIe X16(G5)_7  |
| ASUS        | Prime X870-P WiFi                | AMD X870                  | PCIEX16(G5)   |
| Dell        | Precision 7960 Tower Workstation | Intel W790                | SLOT1 PCIe5 x16<br>SLOT4 PCIe4 x16<br>SLOT5 PCIe5 x16<br>SLOT8 PCIe4 x16  |
| GIGABYTE    | Z790M AORUS ELITE AX             | Intel Z790                | PCIEX16   |
| HP          | Z6 G5 A                          | AMD Pro 695               | SLOT 1:PCIe Gen5 x16<br>SLOT 2:PCIe Gen5 x16<br>SLOT 4:PCIe Gen5 x16<br>SLOT 5:PCIe Gen5 x16<br>SLOT 6:PCIe Gen5 x16                            |
| Supermicro  | X12DPi-N6                        | Intel C621A               | CPU1 SLOT2 PCI-E 4.0 x16<br>CPU1 SLOT3 PCI-E 4.0 x16<br>CPU2 SLOT4 PCI-E 4.0 x16<br>CPU2 SLOT5 PCI-E 4.0 x16                                    |
| Supermicro  | X12DPi-NT6                       | Intel C621A               | CPU1 SLOT2 PCI-E 4.0 x16<br>CPU1 SLOT3 PCI-E 4.0 x16<br>CPU2 SLOT4 PCI-E 4.0 x16<br>CPU2 SLOT5 PCI-E 4.0 x16                                    |
| Supermicro  | X12DPL-i6                        | Intel C621A               | CPU2 SLOT1 PCI-E 4.0 x16<br>CPU1 SLOT2 PCI-E 4.0 x16<br>CPU1 SLOT3 PCI-E 4.0 x16<br>CPU1 SLOT4 PCI-E 4.0 x16                                    |
| Supermicro  | X12DPL-NT6                       | Intel C621A               | CPU2 SLOT1 PCI-E 4.0 x16<br>CPU1 SLOT2 PCI-E 4.0 x16<br>CPU1 SLOT3 PCI-E 4.0 x16<br>CPU1 SLOT4 PCI-E 4.0 x16                                    |

|            |                |                           |  |
|------------|----------------|---------------------------|--|
| Supermicro | X12DAI-N6      | Intel C621A               | CPU1 SLOT1 PCI-E 4.0 x16<br>CPU2 SLOT2 PCI-E 4.0 x16<br>CPU1 SLOT3 PCI-E 4.0 x16<br>CPU2 SLOT4 PCI-E 4.0 x16<br>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<br>CPU SLOT3 PCI-E 4.0 X16<br>CPU SLOTS5 PCI-E 4.0 X16<br>CPU SLOT6 PCI-E 4.0 X16<br>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<br>CPU SLOT4 PCI-E 4.0 x16<br>CPU SLOT6 PCI-E 4.0 x16  |
| Supermicro | H12DSU-iN      | AMD EPYC 7002/7003 Series | 1X PCIE4.0 X16 via Riser slot<br>1X PCIE4.0 X32 via Riser slot   |
| Supermicro | H12SSW-NT      | AMD EPYC 7002/7003 Series | 1X PCIE4.0 X16 via Riser slot<br>1X PCIE4.0 X32 via Riser slot   |
| Supermicro | H12SSL-NT      | AMD EPYC 7002/7003 Series | CPU SLOT1 PCI-E 4.0 X16<br>CPU SLOT3 PCI-E 4.0 X16<br>CPU SLOTS5 PCI-E 4.0 X16<br>CPU SLOT6 PCI-E 4.0 X16<br>CPU SLOT7 PCI-E 4.0 X16     |
| Supermicro | H12SSL-C       | AMD EPYC 7002/7003 Series | CPU SLOT1 PCI-E 4.0 X16<br>CPU SLOT3 PCI-E 4.0 X16<br>CPU SLOTS5 PCI-E 4.0 X16<br>CPU SLOT6 PCI-E 4.0 X16<br>CPU SLOT7 PCI-E 4.0 X16     |
| Supermicro | H12SSL-CT      | AMD EPYC 7002/7003 Series | CPU SLOT1 PCI-E 4.0 X16<br>CPU SLOT3 PCI-E 4.0 X16<br>CPU SLOTS5 PCI-E 4.0 X16<br>CPU SLOT6 PCI-E 4.0 X16<br>CPU SLOT7 PCI-E 4.0 X16     |
| Supermicro | SYS-2025HS-TNR | AMD EPYC 9004 Series      | SLOT1, SLOT3, SLOTS5, 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<br>P2 SLOT11   |
| Supermicro | X13SEI-TF      | Intel C741                | CPU SLOT4 PCIe 5.0 x16<br>CPU SLOT6 PCIe 5.0 x16   |

### NVMe SSD Compatibility List

| Manufacture      | Model/Series        | Form Factor             | Capacity                                      | Remark |
|------------------|---------------------|-------------------------|---|--------|
| <b>PCIe Gen4</b> |                     |                         |   |        |
| Samsung          | 980PRO              | M.2 2280                | 250GB, 500GB, 1TB, 2TB                        |        |
| Samsung          | 990PRO              | M.2 2280                | 1TB, 2TB, 4TB                                 |        |
| Samsung          | 990EVO              | M.2 2280                | 1TB, 2TB                                      |        |
| Seagate          | FireCuda 530        | M.2 2280                | 500GB, 1TB, 2TB, 4TB                          |        |
| Sabrent          | Rocket NVMe 4.0     | M.2 2280                | 500GB, 1TB, 2TB                               |        |
| Sabrent          | Rocket 4 Plus       | M.2 2280                | 500GB,1TB, 2TB, 4TB, 8TB                      |        |
| KIOXIA           | XG8 Series          | M.2 2280                | 512GB, 1024GB, 2048GB, 4096GB                 |        |
| Phison           | PS5018-E18          | M.2 2280<br>Double Side | 2000GB,2048GB,4000GB,4096GB,8000GB,8192GB     |        |
| Phison           | PS5027-E27T         | M.2 2280                | 512GB, 500GB, 1024GB, 1000GB, 2048GB, 2000 GB |        |
| Western Digital  | SN850X              | M.2 2280                | 1TB, 2TB, 4TB, 8TB                            |        |
| <b>PCIe Gen5</b> |                     |                         |   |        |
| Crucial          | Crucial T700        | M.2 2280                | 1TB, 2TB, 4TB                                 |        |
| Crucial          | Crucial T705        | M.2 2280                | 1TB, 2TB, 4TB                                 |        |
| Phison           | PS5026-E26 Gen5 Pro | M.2 2280                | 1000GB, 2000GB, 4000GB                        |        |
| Phison           | PS5031-E31T         | M.2 2280                | 1TB-8TB                                       |        |

If you have any questions about compatibility, please contact us at [Sales@highpoint-tech.com](mailto:Sales@highpoint-tech.com)