

# HighPoint R7528D Compatibility List

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This document was designed to serve as general reference for compatibility between the HighPoint R7528D and specific motherboards/SSDs described herein.

The motherboards included in this document are recommended for HighPoint R7528D 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 Rocket7528D series NVMe RAID Adapter 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 #	Data RAID support	Boot RAID support
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	√	√
ASUS	Pro WS WRX90E-SAGE SE	AMD WRX90	PCIE X16(G5)_1 PCIE X16(G5)_2 PCIE X16(G5)_3 PCIE X16(G5)_4 PCIE X16(G5)_5 PCIE X16(G5)_6 PCIE X16(G5)_7	√	√
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	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	H11Dsi	AMD EPYC 7001/7002 Series	CPU1 SLOT2 PCI-E 3.0 x16 CPU1 SLOT4 PCI-E 3.0 x16	√	√
Supermicro	H11Dsi-NT	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	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	SYS-2025HS-TNR	AMD EPYC 9004	Slot1 PCIe 5.0X16 Slot3 PCIe 5.0X16 Slot5 PCIe 5.0X16 Slot7 PCIe 5.0X16 Slot8 PCIe 5.0X16	√	√
Supermicro	H13DSH	AMD EPYC 9004 Series	2X PCIE5.0 X16 via Riser slot	√	√
Supermicro	SYS-741GE-TNRT	Intel C741	Slot2 PCIe 5.0X16 Slot4 PCIe 5.0X16 Slot5 PCIe 5.0X16 Slot7 PCIe 5.0X16 Slot9 PCIe 5.0X16 Slot10 PCIe 5.0X16 Slot11 PCIe 5.0X16	√	√
Supermicro	X13SEI-TF	Intel C741	JPCIE4 CPU SLOT4 PCIe 5.0 X16 JPCIE6 CPU SLOT6 PCIe 5.0 X16	√	√
HP	Z6 G5 A	AMD Pro 695	SLOT1 PCIe5X16 SLOT2 PCIe5X16 SLOT4 PCIe5X16 SLOT5 PCIe5X16 SLOT6 PCIe4X16	√	√

**U.2 NVMe SSD Compatibility List**

Manufacture	Model/Series	Form Factor	Capacity	Remark
<b>PCIe Gen3</b>				
Intel	Optane P4800X	U.2	375GB, 750GB, 1.5TB	
Samsung	983 DCT	U.2	960GB, 1.92TB	
KIOXIA	CM5-R	U.2	960GB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	
Western Digital	Ultrastar DC SN630	U.2	960GB, 1.92TB, 3.84TB, 6.4TB,	
Western Digital	Ultrastar DC SN640	U.2	800GB, 1600GB, 3200GB, 6400GB	

Micron	9300 PRO	U.2	3.84TB, 7.68TB, 15.36TB	
<b>PCIe Gen4</b>				
KIOXIA	CD7-R	U.2	960GB, 1920GB, 3840GB, 7680GB, 15360GB	
KIOXIA	CD8-R	U.2	960GB, 1920GB, 3840GB, 7680GB, 15360GB	
Solidigm	D7-P5510	U.2	3.84TB, 7.68TB	
Micron	7450 MAX	U.3	800GB, 1.6TB, 3.2TB, 6.4TB, 12.8TB	
Micron	7450 PRO	U.3	960GB, 1.92TB, 3.84TB, 7.68TB	
Micron	7400 PRO	U.3	960GB, 1.92TB, 3.84TB, 7.68TB	
Western Digital	Ultrastar DC SN650	U.3	7.68TB, 15.36TB	
<b>PCIe Gen5</b>				
KIOXIA	CM7-R	U.3	30720GB, 15360GB, 7680GB, 3840GB, 1920GB	
KIOXIA	CD8P-R	U.2	30720GB, 15360GB, 7680GB, 3840GB, 1920GB	

### U.2 NVMe SSD Hot-plug Compatibility List

Manufacture	Model/Series	Form Factor	Capacity	Remark
<b>PCIe Gen3</b>				
Intel	Optane P4800X	U.2	375GB, 750GB, 1.5TB	
Samsung	983 DCT	U.2	960GB, 1.92TB	
KIOXIA	KCM51RUG960G	U.2	960GB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	
Western Digital	Ultrastar DC SN630	U.2	960GB, 1.92TB, 3.84TB, 6.4TB,	
Western Digital	Ultrastar DC SN640	U.2	800GB, 1600GB, 3200GB, 6400GB	
Micron	9300 PRO	U.2	3.84TB, 7.68TB, 15.36TB	
<b>PCIe Gen4</b>				
KIOXIA	KCD71RUG960G	U.2	960GB, 1920GB, 3840GB, 7680GB, 15360GB	
KIOXIA	KCD81RUG960G	U.2	960GB, 1920GB, 3840GB, 7680GB, 15360GB	
Solidigm	D7-P5510	U.2	3.84TB, 7.68TB	
Micron	7450 MAX	U.3	800GB, 1.6TB, 3.2TB, 6.4TB, 12.8TB	
Micron	7450 PRO	U.3	960GB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	
Micron	7400 PRO	U.3	960GB, 1.92TB, 3.84TB, 7.68TB	
Western Digital	Ultrastar DC SN650	U.3	7.68TB, 15.36TB	
<b>PCIe Gen5</b>				
KIOXIA	CD8P-R	U.2	30720GB, 15360GB, 7680GB, 3840GB, 1920GB	

### U.2 NVMe SSD SED Compatibility List

The SSD supports SED (Self-Encrypting Drive) function.

Manufacture	Model/Series	Form Factor	Capacity	Remark
<b>PCIe Gen3</b>				
Intel	Optane P4800X	U.2	375GB, 750GB, 1.5TB	
Samsung	983 DCT	U.2	960GB, 1920GB	

### Certified Cable Accessories

Manufacturer	Model	Description
HighPoint Technologies, Inc.	HighPoint 8654-8611	SFF-8654 Host to SFF-8611 NVMe HD-Mini-SAS Device cables, for use with the ICY DOCK
HighPoint Technologies, Inc.	HighPoint 8654-8639	SFF-8654 to SFF-8639 NVMe device (U.2) cable, for use direct connection to R7528D
HighPoint Technologies, Inc.	HighPoint 8654-8654	SFF-8654 Host to SFF-8654 Motherboard backplane
HighPoint Technologies, Inc.	HighPoint 8654-8643	SFF-8654 Host to SFF-8643 NVMe HD-Mini-SAS Device cables, for use with the ICY DOCK
HighPoint Technologies, Inc.	HighPoint 8654- MCI0	SFF-8654 Host to MCI0 Motherboard backplane

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