

HighPoint SSD7184 Compatibility List

2021/7/1

This document was designed to serve as general reference for compatibility between the HighPoint SSD7180 and specific motherboards/SSD's described herein.

The motherboards included in this document are recommended for HighPoint SSD7180 x16 PCIE 3.0 configurations. Specific motherboards may have special requirements or restrictions. Please refer to the motherboard's PCIe Expansion slot settings.

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 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 | PRIME Z390 SERIES | Intel Z390 | PCIEX16_1 |
| 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 | X99-E WS/USB 3.1 | Intel X99 | PCIEX16_1, PCIEX16_3 PCIEX16_5, PCIEX16_7 |
| ASUS | Z10PE-D8 WS | Intel C612 PCH | PCIEX16_1, PCIEX16_3 PCIEX16_5, PCIEX16_7 |
| ASUS | Z10PE-D16 WS | Intel C612 PCH | PCIEX16_2, PCIEX16_4 PCIEX16_5, PCIEX16_6 |
| ASUS | Z10PA-U8 | Intel C612 PCH | PCIEX4, PCIEX6 |
| ASUS | ROG ZENITH EXTREME | AMD X399 | PCIEX16_1, PCIEX16_3 |
| ASUS | PRIME X399-A | AMD X399 | PCIEX16_1, PCIEX16_3 |
| ASUS | ROG STRIX X399-E GAMING | 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 | 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 | ROG MAXIMUS XIII HERO | Intel Z590 | PCIEX16_1 |
| 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 | GA-Z390 AORUS XTREME | Intel Z390 | PCIEX16 |
| GIGABYTE | GA-X99-UD7 WIFI | Intel X99 | PCIEX1, PCIEX2 |
| GIGABYTE | GA-X99P-SLI | Intel X99 | PCIEX1, PCIEX2 |
| GIGABYTE | GA-X99-UD4 | Intel X99 | PCIEX1, PCIEX2 |
| GIGABYTE | MD70-HB0 | Intel C612 | PCIEX2, PCIEX4, PCIEX6 |
| GIGABYTE | MD70-HB2 | Intel C612 | PCIEX2, PCIEX4, PCIEX6 |
| GIGABYTE | Z170X-UD5 | Intel Z170 | PCIEX16 |
| 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 | X399 AORUS Gaming 7 | AMD X399 | PCIEX16_1, PCIEX16_2 |
| GIGABYTE | X570 AORUS MASTER | AMD X570 | PCIEX16 |
| GIGABYTE | X570 AORUS ELITE WIFI | AMD X570 | PCIEX16 |
| GIGABYTE | X570 AORUS XTREME | AMD X570 | PCIEX16 |
| GIGABYTE | X570 AORUS PRO WIFI | AMD X570 | PCIEX16 |
| GIGABYTE | X570 I AORUS PRO WIFI | AMD X570 | PCIEX16 |
| GIGABYTE | X570 GAMING X | AMD X570 | PCIEX16 |
| 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 |

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|------------|---------------------------|----------------|--|
| ASRock | X299 Taiichi | Intel X299 | PCI_E1, PCI_E3 |
| ASRock | X99 WS | 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 |
| MSI | X99A WORKSTATION | Intel X99 | PCI_E1, PCI_E4 |
| MSI | X99A SLI | Intel X99 | PCI_E1, PCI_E4 |
| 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 SLOTS5 PCI-E 3.0X16 |
| Supermicro | X11DPX-T | Intel C621 | JPCI2(CPU1 SLOT2 PCI-E 3.0X16) JPCI4(CPU1 SLOT4 PCI-E 3.0X16) JPCI6(CPU2 SLOT6 PCI-E 3.0X16) JPCI8(CPU2 SLOT8 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 | X11DPH-I | Intel C621 | CPU2 SLOT2 PCI-E 3.0X16 CPU2 SLOT4 PCI-E 3.0X16 CPU2 SLOTS5 PCI-E 3.0X16 |
| Supermicro | X11DPH-T | Intel C622 | CPU2 SLOT2 PCI-E 3.0X16 CPU2 SLOT4 PCI-E 3.0X16 CPU2 SLOTS5 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 | 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 |
| Supermicro | H11DSi-NT | System on Chip | CPU1 SLOT2 PCI-E 3.0 x16 CPU1 SLOT4 PCI-E 3.0 x16 |
| Supermicro | H11DSi | System on Chip | CPU1 SLOT2 PCI-E 3.0 x16 CPU1 SLOT4 PCI-E 3.0 x16 |
| Supermicro | H11SSL-NC | System on Chip | CPU SLOT2 PCI-E 3.0 x16 CPU SLOT4 PCI-E 3.0 x16 CPU SLOT6 PCI-E 3.0 x16 |
| Supermicro | H11SSL-i | System on Chip | CPU SLOT2 PCI-E 3.0 x16 CPU SLOT4 PCI-E 3.0 x16 CPU SLOT6 PCI-E 3.0 x16 |
| Supermicro | H11SSL-C | System on Chip | CPU SLOT2 PCI-E 3.0 x16 CPU SLOT4 PCI-E 3.0 x16 CPU SLOT6 PCI-E 3.0 x16 |

SSD Compatibility List

| Manufacture | Model/Series | Form Factor | Capacity |
|-------------|---------------|-------------|------------------|
| Intel | Optane P4800X | U.2 | 375G, 750G, 1.5T |

| | | | |
|-----------------|--------------------|-----|-----------------------------------|
| Samsung | 983 DCT | U.2 | 960G,1.92T |
| KIOXIA | CM5-R | U.2 | 15.36T, 7.68T, 3.84T,1.92T,960GB |
| KIOXIA | XD5 | U.2 | 960G, 1920G, 3840G, |
| KIOXIA | CD5 | U.2 | 960G, 1920G, 3840G, 7680G, |
| Western Digital | Ultrastar DC SN630 | U.2 | 960GB,1.92T,3.84T, 6.4T, |
| Western Digital | Ultrastar DC SN640 | U.2 | 800GB,1600GB,3200GB,6400GB |
| Micron | 9300 PRO | U.2 | 3.84T, 7.68T, 15.36T |
| Micron | 9300 Max | U.2 | 3.2T, 6.4T, 12.8T |
| KIOXIA | CD6-R | U.2 | 960G, 1920G, 3840G, 7680G, 15360G |
| KIOXIA | CM6-R | U.2 | 960G, 1920G, 3840G, 7680G, 15360G |
| KIOXIA | CM6-V | U.2 | 800G, 1600G, 3200G, 6400G |

Internal U.2 NVMe SSD Racks/Backplanes/Enclosures

| Manufacturer | Model | Description | |
|----------------------------------|----------------------|---|-----------------------------------|
| ICY DOCK | ToughArmor MB699VP-B | Full Metal 4-Bay 2.5" U.2 NVMe SSD Backplane Cage | |
| ICY DOCK support SSD list | | | |
| Manufacture | Model/Series | Form Factor | Capacity |
| PCIe Gen3 | | | |
| Intel | Optane P4800X | U.2 | 375G, 750G, 1.5T |
| KIOXIA | CM5-R | U.2 | 15.36T, 7.68T, 3.84T,1.92T,960GB |
| KIOXIA | XD5 | U.2 | 960G, 1920G, 3840G |
| KIOXIA | CD5 | U.2 | 960G, 1920G, 3840G, 7680G, |
| Western Digital | Ultrastar DC SN630 | U.2 | 960GB,1.92T,3.84T, 6.4T |
| Western Digital | Ultrastar DC SN640 | U.2 | 800GB,1600GB,3200GB,6400GB |
| Micron | 9300 PRO | U.2 | 3.84T, 7.68T, 15.36T |
| PCIe Gen4 | | | |
| KIOXIA | CD6-R | U.2 | 960G, 1920G, 3840G, 7680G, 15360G |
| KIOXIA | CM6-R | U.2 | 960G, 1920G, 3840G, 7680G, 15360G |
| KIOXIA | CM6-V | U.2 | 800G, 1600G, 3200G, 6400G |

External U.2 Enclosures

| Manufacturer | Model | Description |
|------------------------------|---------|---|
| HighPoint Technologies, Inc. | RS6540S | 4-Bay NVMe U.2 JBOD enclosure designed for use with the SSD7184. Each bay supports a U.2 form factor NVMe SSD |

Certified Cable Accessories

| Manufacturer | Model | Description |
|------------------------------|---------------------|--|
| HighPoint Technologies, Inc. | HighPoint 8643-8643 | SFF-8643 NVMe Host to SFF-8643 NVMe HD-Mini-SAS Device (U.2) cables, for use with the ICY DOCK |
| HighPoint Technologies, Inc. | HighPoint 8643-8639 | SFF-8643 to SFF-8639 NVMe device (U.2) cable, for use direct connection to SSD7184 |
| HighPoint Technologies, Inc. | HighPoint OLX4-8643 | SFF-8643 NVMe Host to Oculink backplane cable |
| HighPoint Technologies, Inc. | HighPoint 8644-8644 | SFF-8644 to SFF-8644 cable, for use with the RS6540S |

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