

**HighPoint SSD7000 Series & Dell Precision 7920  
Workstation Platforms  
Compatibility Report**

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## 1. Hardware:

### a. HighPoint Product:

SSD7000 Series, SSD7500 Series, SSD6200 Series, SSD6540 Series

### b. Host Platform or External Device:

Dell Precision 7920 Workstation

## 2. Compatibility Status:

**Compatible (Boot & Data RAID)**

## 3. Description:

The Dell Precision 7920 Workstation platform is capable of supporting HighPoint SSD7000 and SSD6200 series NVMe RAID controllers. SSD7500 series controllers can also be used with this platform, but will be unable to operate at full speed, as the systems only provides PCIe 3.0 connectivity. The SSD6540 series NVMe RAID enclosures utilize a PCIe Gen3 x16 NVMe HBA for external connectivity, which appear to be compatible with this platform. Cross-Sync is possible as the system provides up to four PCIe 3.0 x16 (electrical) slot for dual CPU configurations. The current platform (2021) utilizes the Intel C62x series chipset, which is known to be compatible with HighPoint NVMe RAID solutions. The system BIOS includes UEFI support, and provides option ROM settings for UEFI and legacy devices.

## 4. Compatibility Details:

### a. PCIe Host Interface:

Dell Precision 7920 workstations utilize a PCIe Gen3 (PCIe 3.0) host interface, and provide two PCIe 3.0 x16 (electrical) slot for single-CPU configurations, and up to four for dual-CPU configurations.

#### Specifications

##### PCIe Gen 3

- two PCIe Gen 3 x16
- two PCIe Gen 3 x16 (enabled with 2nd CPU)
- one PCIe Gen 3 x8 (open ended connector)
- one PCIe Gen 3 x16 (wired as x4)
- one PCIe Gen 3 x16 (wired as x1)

### b. Reference:

[https://www.dell.com/support/manuals/en-us/precision-7920-workstation/precision\\_7920\\_om\\_pub/card-slots?guid=guid-b94d865a-827d-4417-897d-48a36b6e57eb&lang=en-us](https://www.dell.com/support/manuals/en-us/precision-7920-workstation/precision_7920_om_pub/card-slots?guid=guid-b94d865a-827d-4417-897d-48a36b6e57eb&lang=en-us)

**b. Boot RAID Support (NVMe arrays used to boot a system):**

Dell Precision 7920 workstations can support bootable NVMe arrays. The BIOS appears to provide UEFI option ROM support, and has a Secure Boot option (which must be disabled by users).

**c. Data RAID Support (NVMe arrays used for data storage):**

There are no apparent restrictions for data-only storage configurations.

**5. Manufacturer Reference Material**

**a. Product Website:**

[https://www.dell.com/en-us/work/shop/desktops-all-in-one-pcs/precision-7920-tower-workstation/spd/precision-7920-workstation#support\\_section](https://www.dell.com/en-us/work/shop/desktops-all-in-one-pcs/precision-7920-tower-workstation/spd/precision-7920-workstation#support_section)

**b. User Guides & Documentation:**

<https://www.dell.com/support/home/en-us/product-support/product/precision-7920-workstation/docs>