

HighPoint SSD7000 SSD6200 Series & HP Z2 G5

Compatibility Report

Last Update: 21/11/02

Version: 1.01

Updated by: GXX/CB

Contents

1. Hardware:.....	3
a. HighPoint Product:	3
b. Host Platform or External Device:	3
2. Compatibility Status:	3
3. Description:	3
4. Compatibility Details:	3
a. PCIe Host Interface:.....	3
b. Boot RAID Support (NVMe arrays used to boot a system):	4
c. Data RAID Support (NVMe arrays used for data storage):.....	4
5. Manufacturer Reference Material	4
a. Product Website:.....	4
b. User Guide:.....	4

1. Hardware:

a. HighPoint Product:

SSD7000 Series, SSD6200 Series, SSD7500 Series, SSD6540 Series

b. Host Platform or External Device:

HP Z2 G5

2. Compatibility Status:

Compatible: *Data RAID configurations are supported. However, it is not clear if the system supports bootable RAID configurations.* We recommend contacting HP Support for more information.

3. Description:

HP Z2 G5 is capable of supporting HighPoint SSD7000/SSD6200 series NVMe RAID controllers. SSD7500 series controllers can also be used, but will be unable to perform optimally, as the motherboard utilizes a PCIe 3.0 host interface. Cross-Sync appears to be possible, as the motherboard provides two PCIe 3.0 x16 (electrical) slots.

The motherboard utilizes the Intel W480 chipset, and provides UEFI/Legacy BIOS modes; the default mode is UEFI.

4. Compatibility Details:

a. PCIe Host Interface:

HP Z2 G5 only utilizes a PCIe Gen3 (PCIe 3.0) host interfaces The computer has one PCI Express x1 expansion socket, two PCI Express x16 expansion sockets, and one PCI Express x8 expansion socket.

PCI Express connectors

- (1) PCI Express Gen 3 slot x16 mechanical/ x16 electrical (LP, half-length)
- (1) PCI Express Gen 3 slot x1 mechanical/ x1 electrical (LP, half-length)
- (1) PCI Express Gen 3 slot x1 mechanical/ x1 electrical (LP, half-length)
- (1) PCI Express Gen 3 slot x16 mechanical/ x4 electrical (LP, half-length)
- (2) M.2 2280 Storage (PCIe Gen 3 x4)
- (1) M.2 2230 WLAN (PCIe Gen 3 x1 and Intel CNVi)

Link: <https://support.hp.com/us-en/document/c06915306>

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

It is not clear if the system supports bootable RAID configurations. The motherboard appears to provide Option ROM settings for Legacy and UEFI modes, but customers have reported problems attempting to boot to third party devices. We recommend contacting HP for more information.

UEFI Boot Order.

Default is enabled. Specify the order in which UEFI boot sources (such as a internal hard drive, USB hard drive, USB optical drive, or internal optical drive) are checked for a bootable operating system image.

Specify the order of attached hard drives. The first hard drive in the order will have priority in the boot sequence and will be recognized as drive C (if any devices are attached).

Source: page78

<http://h10032.www1.hp.com/ctg/Manual/c06908434.pdf>

If you want to use this motherboard's to boot from an NVMe RAID array, you need to manually set **Secure Boot** to Disabled.

Secure Boot Configuration **Configure Secure Boot**

Configure Secure Boot setting, default enabled.

Source: page78

<http://h10032.www1.hp.com/ctg/Manual/c06908434.pdf>

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:

Link: <https://www.hp.com/us-en/shop/pdp/hp-z2-tower-g5-workstation>

b. User Guide:

Link: <http://h10032.www1.hp.com/ctg/Manual/c06908434.pdf>