

HighPoint SSD7103 & ASUS Z10PA-D8

Compatibility Report

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1. Conclusion

Based on the information below, ASUS Z10PA-D8 should be compatible with HighPoint's SSD7103, along with the rest of HighPoint's SSD line. The ASUS Z10PA-D8 has a chipset that is in our compatibility list, has UEFI and Option ROM settings, and has a PCIe 3.0 x 16

slot that can accommodate HighPoint's SSD series to the fullest capacity in terms of performance.

2. Launch Date

December 2017

3. User Manuals

a. URL

https://dlcdnets.asus.com/pub/ASUS/mb/Socket2011-R3/Z10PA-D8/Manual/E13692_Z10PA-D8_Series_UM_V3_WEB.pdf

b. Chipset/Motherboard : Intel C612

Intel® C612 Series Chipset

The Intel® C612 series chipset supports with enterprise class features which is targeted for Cloud and Storage applications. It is optimized and validated to work with the latest Xeon® processor E5-2600 v3 product family, compared with the last generation, it also reduces the TDP, supports USB 3.0 with up to 10 SATA III ports thus bringing more features and benefits to the target users.

Source:

https://dlcdnets.asus.com/pub/ASUS/mb/Socket2011-R3/Z10PA-D8/Manual/E13692_Z10PA-D8_Series_UM_V3_WEB.pdf pg. 1-4

4. Physical Properties

a. Form Factor :

Form Factor	12 in. x 10 in.
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Source: https://dlcdnets.asus.com/pub/ASUS/mb/Socket2011-R3/Z10PA-D8/Manual/E13692_Z10PA-D8_Series_UM_V3_WEB.pdf pg. xiii

b. Riser Cards/Brackets:

2.5.1 Installing an expansion card

To install an expansion card:

1. Before installing the expansion card, read the documentation that came with it and make the necessary hardware settings for the card.
2. Remove the system unit cover (if your motherboard is already installed in a chassis).
3. Remove the **bracket** opposite the slot that you intend to use. Keep the screw for later use.
4. Align the card connector with the slot and press firmly until the card is completely seated on the slot.
5. Secure the card to the chassis with the screw you removed earlier.
6. Replace the system cover.

Source: https://dlcdnets.asus.com/pub/ASUS/mb/Socket2011-R3/Z10PA-D8/Manual/E13692_Z10PA-D8_Series_UM_V3_WEB.pdf pg 2-16

5. System BIOS Setting

a. UEFI : Yes.

Boot Option filter [Legacy only]

This option allows you to control the Legacy/**UEFI** ROMs priority.
Configuration options: [UEFI and Legacy] [Legacy only] [UEFI only]

Network / Storage / Video [Legacy]

This option allows you to control the execution of UEFI and Legacy PXE / Storage / Video OpROM.
Configuration options: [UEFI] [Legacy]

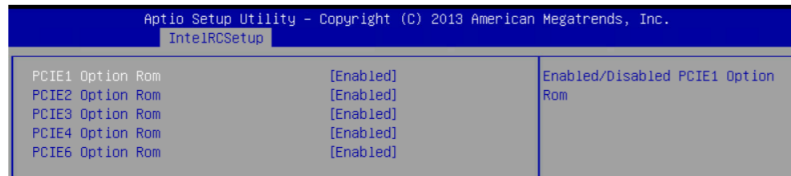
Other PCI devices [Legacy]

This item determines the OpROM execution policy for devices other than Network, Storage, or Video.
Configuration options: [UEFI] [Legacy]

Source: https://dlcdnets.asus.com/pub/ASUS/mb/Socket2011-R3/Z10PA-D8/Manual/E13692_Z10PA-D8_Series_UM_V3_WEB.pdf pg. 4-20

b. Option ROM: Yes. Manual indicates use of Option ROM when configuring PCIe slots.

PCIe Slot Option ROM Configuration



PCIe1 / PCIe2 / PCIe3 / PCIe4 / PCIe6 Option ROM [Disabled]

Allows you to enable or disable the PCIe1 / PCIe2 / PCIe3 / PCIe4 / PCIe6 Option ROM.

Configuration options: [Disabled] [Enabled]

Source: https://dlcdnets.asus.com/pub/ASUS/mb/Socket2011-R3/Z10PA-D8/Manual/E13692_Z10PA-D8_Series_UM_V3_WEB.pdf pg. 4-33

5. PCIe Configuration

a. How many PCIe slots?

Six slots

Expansion Slots (follow SSI Location number)	Total PCI / PCI-E Slots	6
	Slot Location 1	1 x PCI-E x8 (x4 Gen2 link)
	Slot Location 2	1 x PCI-E x8 (x8 Gen3 link)
	Slot Location 3	1 x PCI-E x16 (x16 Gen3 link) (Auto switch to x8 Link if slot 4 is occupied.)
	Slot Location 4	1 x PCI-E x8 (x8 Gen3 link)
	Slot Location 5	1 x PCI-E x16 (x16 Gen3 link) (Auto switch to x8 Link if slot 6 is occupied.)
	Slot Location 6	1 x PCI-E x8 (x8 Gen3 link); MIO supported

Source: https://dlcdnets.asus.com/pub/ASUS/mb/Socket2011-R3/Z10PA-D8/Manual/E13692_Z10PA-D8_Series_UM_V3_WEB.pdf pg. xiii

b. PCIe Length (Bandwidth) of each slot

See above.

6. Secure Boot

In order for ASUS Z10PA-D8 to work with Linux platforms and HighPoint’s SSD line, secure boot must be disabled.

Secure Boot Menu

This item allows you to customize the Secure Boot settings.



Secure Boot [Disabled]

Secure Boot can be enabled if the system is running in User mode with enrolled platform Key (EPK) or if the CSM function is disabled.

Configuration options: [Disabled] [Enabled]

Secure Boot Mode [Custom]

Allows you to set the Secure Boot selector.

Configuration options: [Custom] [Standard]

Source: https://dlcdnets.asus.com/pub/ASUS/mb/Socket2011-R3/Z10PA-D8/Manual/E13692_Z10PA-D8_Series_UM_V3_WEB.pdf pg. 4-48