

# **HighPoint SSD7500 Series & Dell Precision Tower 7810**

## **Compatibility Report**

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## 1. Conclusion

The Dell Precision Tower 7810 should be compatible with HighPoint's SSD 7500 series, but will provide the data transfer speed limit by PCIe 3.0 x 16, given that it supports UEFI, Option ROM and has more than one PCIe 3.0 x 16 slot available. In order to work with HighPoint's SSD series, the motherboard has to support that set Secure Boot to Disabled, which the Dell Precision Tower 7810 motherboard does support.

## 2. Launch Date

N/A

## 3. User Manuals

### a. URL

[https://topics-cdn.dell.com/pdf/precision-t7810-workstation\\_owners-manual\\_en-us.pdf](https://topics-cdn.dell.com/pdf/precision-t7810-workstation_owners-manual_en-us.pdf)

### b. Chipset/Motherboard : Intel C610/612

Feature	Specification
Chipset	Intel(R) C610 , C612 chipset

Source:

[https://topics-cdn.dell.com/pdf/precision-t7810-workstation\\_owners-manual\\_en-us.pdf](https://topics-cdn.dell.com/pdf/precision-t7810-workstation_owners-manual_en-us.pdf)

## 4. Physical Properties

### a. Form Factor :

**Table 32. Physical**

Feature	Specification
Tower 7810	
Height (with feet)	416.90 mm (16.41 inches)
Height (without feet)	414.00 mm (16.30 inches)
Width	172.60 mm (6.79 inches)
Depth	471.00 mm (18.54 inches)
Weight (minimum):	13.50 kg (29.80 lb) / 12.40 kg (27.40 lb)

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**Riser Cards/Brackets:**

N/A

**5. System BIOS Setting**

a. **UEFI : Yes.**

<b>Boot List Option</b>	Allows you to change the boot list option. <ul style="list-style-type: none"> <li>● Legacy</li> <li>● UEFI</li> </ul>
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b. **Option ROM/Boot from Storage Devices: Yes.**

**PCH Slot1: PCI-E 3.0 X4 OPROM**

Use this feature to select which firmware type to be loaded for the add-on card in this slot. The options are Disabled, **Legacy**, and EFI.

**CPU Slot 2 PCI-E x8(IN x16) OPROM**

Use this feature to select which firmware type to be loaded for the add-on card in this slot. The options are Disabled, **Legacy**, and EFI.

**CPU Slot 4 PCI-E x16 OPROM**

Use this feature to select which firmware type to be loaded for the add-on card in this slot. The options are Disabled, **Legacy**, and EFI.

**CPU Slot 6 PCI-E x16 OPROM**

Use this feature to select which firmware type to be loaded for the add-on card in this slot. The options are Disabled, **Legacy**, and EFI.

<b>Advanced Boot Options</b>	Allows you to Enable Legacy Option ROMs <ul style="list-style-type: none"> <li>● <b>Enable Legacy Option ROMs</b> (Default)</li> </ul>
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**5. PCIE Configuration**

a. **How many PCIe slots?**

Total: Five slots

There are three PCI-E 3.0 x16 slot, and two of them can support electronic PCI-E 3.0 x16

2. PCIe x16 slot (PCIe 2.0 wired as x4) (slot 5)
3. PCIe 3.0 x16 slot (slot 4)
4. PCIe 2.0 x1 slot (slot 3)
5. PCIe 3.0 x16 slot (slot 2)
6. PCIe x16 slot (PCIe 3.0 wired as x8) (slot 1)

Source:

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**b. PCIe Length (Bandwidth) of each slot**

See above.

**6. Secure Boot: Disabled**

In order for a motherboard to work with HighPoint's SSD line, the secure boot feature must be supported, and then disabled.

<b>Secure Boot Enable</b>	Allows you to enable or disable the Secure Boot Feature. The options are: <ul style="list-style-type: none"><li>● <b>Disabled</b> (Default)</li><li>● Enabled</li></ul>
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