

# **HighPoint SSD7000 Series & Dell PowerEdge T440**

## **Compatibility Report**

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## **1. Conclusion**

The Dell PowerEdge T440 should be compatible with HighPoint's SSD series, given that it supports UEFI, has a PCIe 3.0 x 16 slot available, and supports Option ROM. In order to

work with HighPoint's SSD series, the motherboard needs to support Secure Boot. The Dell PowerEdge T440 does support Secure Boot.

## 2. Launch Date

N/A

## 3. User Manuals

### a. URL

[https://dl.dell.com/topicspdf/poweredge-t440\\_reference-guide3\\_en-us.pdf](https://dl.dell.com/topicspdf/poweredge-t440_reference-guide3_en-us.pdf)

### b. Chipset/Motherboard : Intel C620 Series

<b>Chipset</b>	Intel® C620 chipset
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Source:

[https://i.dell.com/sites/csdocuments/Product\\_Docs/en/server-generation-comparison-matrix-t440.pdf](https://i.dell.com/sites/csdocuments/Product_Docs/en/server-generation-comparison-matrix-t440.pdf)

## 4. Physical Properties

### a. Form Factor :

<b>Sizing</b>	Form factor: Tower or rack, 5U
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Source:

[https://i.dell.com/sites/csdocuments/Shared-Content\\_data-Sheets\\_Documents/en/PowerEdge-T440-Spec-Sheet.pdf](https://i.dell.com/sites/csdocuments/Shared-Content_data-Sheets_Documents/en/PowerEdge-T440-Spec-Sheet.pdf)

**Riser Cards/Brackets:**

N/A

## 5. System BIOS Setting

### a. UEFI : Yes.

## Boot Settings

You can use the **Boot Settings** screen to set the boot mode to either **BIOS** or **UEFI**. It also enables you to specify the boot order.

Source:

[https://dl.dell.com/topicspdf/poweredge-t440\\_owners-manual10\\_en-us.pdf](https://dl.dell.com/topicspdf/poweredge-t440_owners-manual10_en-us.pdf) pg. 47

### b. Option ROM/Boot from Storage Devices: Yes.

**Slot Disablement** Enables or disables the available PCIe slots on your system. The slot disablement feature controls configuration of the PCIe cards installed in the specified slot. Slots must be disabled only when the installed peripheral card prevents booting into the operating system or causes delays in system start-up. When the slot is disabled, both the **Option ROM** and UEFI drivers are disabled. Only slots that are present in the system are available for control.

Source:

[https://dl.dell.com/topicspdf/poweredge-t440\\_owners-manual10\\_en-us.pdf](https://dl.dell.com/topicspdf/poweredge-t440_owners-manual10_en-us.pdf) pg. 51

## 5. PCIe Configuration

### a. How many PCIe slots?

Five slots.

### Slots

#### PCIe

2 x Gen3 slots (x 4)

2 x Gen3 slots (x 8)

1 x Gen3 slot (x16)

Source:

[https://www.dell.com/en-us/work/shop/cty/pdp/spd/poweredge-t440#techspecs\\_section](https://www.dell.com/en-us/work/shop/cty/pdp/spd/poweredge-t440#techspecs_section)

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

See above.

## 6. Secure Boot :YES

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

**Secure Boot** Enables **Secure Boot**, where the BIOS authenticates each pre-boot image by using the certificates in the Secure Boot Policy. Secure Boot is set to **Disabled** by default.