HighPoint SSD7540 & SuperMicro X11QPH+

Compatibility Report

Last Update: 23/02/28

Version**:**   1.00

Contents

1. Hardware:

a. HighPoint Product:

SSD7540

b. Host Platform or External Device:

SuperMicro X11QPH+

2. Compatibility Status:

Compatible (Data RAID/Boot RAID)

3. Description:

SuperMicro X11QPH+ is capable of supporting the HighPoint SSD7540.The motherboard utilizes the Intel C612 chipset.

The motherboard is PCIe 3.0 and has an x16 riser card slot. The SSD7540 is a PCIe 4.0 x16 card, so it will be unable to perform optimally if used with this motherboard.

The motherboard's BIOS includes UEFI support, and provides option ROM settings for UEFI and legacy devices.

4. Compatibility Details:

a. PCIe Host Interface:

The motherboard has a PCIe 3.0 host interface, and has an x16 riser card slot.

Expansion Slots	
PCIe	1 PCIe 3.0 x32 Left Riser. 1 PCIe 3.0 x40 Ultra Riser. 1 PCIe 3.0 x8 in x16 slot rear Middle Riser. 1 PCIe 3.0 x32 for 2U (or x48+x8 for 4U) on front for NVMe card support. 1 PCIe 3.0 (x32 for 2U or x48 for 4U) on front for NVMe card support.

Link: https://www.supermicro.com/en/products/motherboard/X11QPH+

Chipset & Processor

On-Board Devices	
Chipset	Intel® C621

Link: https://www.supermicro.com/en/products/motherboard/X11QPH+

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

Compatible: The Supermicro User Guide covers UEFI boot capability or option ROM support; it can support Bootable RAID configurations

SATA RAID Option ROM/UEFI Driver (Available when Configure SATA as is set to RAID)

Select EFI to load the EFI driver for system boot. Select Legacy to load a legacy driver for system boot. The options are Disable, EFI, and **Legacy**.

Link: https://www.supermicro.com/manuals/motherboard/C620/MNL-1983.pdf(page 94)

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.supermicro.com/en/products/motherboard/X11QPH+

b. User Guide:

Link：https://www.supermicro.com/manuals/motherboard/C620/MNL-1983.pdf

6. RAID controller device recommended by the MotherBoard

a. HighPoint RAID Controller：

Form Factor: Full-Height
Dimensions: 11.22'' (W) x 4.37'' (H) x 0.83'' (D)
SSD7540: