

**SSD7500/ 6200 /7000 Series& Motherboard SuperMicro
X11DPH-TQ Compatibility Report**

Last Update:4/8/22

Version: v1.01

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1. Hardware:

a) HighPoint Product:

SSD7500/ 6200 /7000 Series

b) Host Platform or External Device:

SuperMicro X11DPH-TQ

2. Compatibility Status:

Compatible (Boot & Data RAID)

3. Description:

SuperMicro X11DPH-TQ are capable of supporting HighPoint SSD7500/ 6200 /7000 NVMe RAID controllers. SSD7000/6200 series can run out of full performance, but the SSD7500 series Can't get the maximum performance, only the performance of PCIe3.0.

The current motherboards used by SuperMicro X11DPH-TQ utilize the Intel® C627 chipset.

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

4. Compatibility Details:

a. PCIe Host Interface:

SuperMicro X11DPH-TQ supports PCIe Gen3, and provides three PCIe 3.0 x16 slots and three PCIe 3.0 x 8 slots. Support full height.

Expansion Slots	
PCI-E	<ul style="list-style-type: none">3 PCI-E 3.0 x16,3 PCI-E 3.0 x8
M.2	<ul style="list-style-type: none">M.2 Interface: 2 PCI-E 3.0 x4, RAID 0,1Form Factor: 2242/2260/2280/22110Key: M-Key

Reference: [X11DPH-Tq | Motherboards | Products | Super Micro Computer, Inc.](#)

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

SuperMicro X11DPH-TQ can support bootable NVMe arrays. The BIOS appears to provide UEFI option ROM support.

PCI Devices Option ROM Settings

CPU1 Slot 1 PCIe 3.0 x8 OPROM/CPU2 Slot 2 PCIe 3.0 x16 OPROM/CPU1 Slot 3 PCIe 3.0 x8 OPROM/CPU2 Slot 4 PCIe 3.0 x16 OPROM/CPU2 Slot 5 PCIe x16 OPROM/CPU1 Slot 6 PCIe 3.0 x 8 OPROM/CPU1 Slot 7 PCIe 3.0 x 8 OPROM/M.2-C1 PCIe 3.0 x4 OPROM/M.2-C2 PCIe 3.0 x4 OPROM

Select EFI to allow the user to boot the computer using an EFI (Extensible Firmware Interface) device installed on the PCIe slot specified by the user. Select Legacy to allow the user to boot the computer using a legacy device installed on the PCIe slot specified by the user. The options are Disabled, **Legacy** and EFI. (**Note:** Riser card names may differ in each system.)

Bus Master Enable

If this setting is set to Enabled, the PCI Bus Driver will enable the Bus Master Attribute for DMA transactions. If this setting is set to Disabled, the PCI Bus Driver will disable the Bus Master Attribute for Pre-Boot DMA protection. The options are Disabled and **Enabled**.

Reference: [MNL-1912.pdf \(supermicro.org.cn\)](#) (page99)

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:

[X11DPH-Tq | Motherboards | Products | Super Micro Computer, Inc.](#)

b. User Guide:

[MNL-1912.pdf \(supermicro.org.cn\)](#)

6. List of SuperMicro RAID Controller types for SuperMicro systems

No recommended product found in the user manual.