

**HighPoint SSD7000/SSD6200 Series & SuperMicro
X10DRH-i**

Compatibility Report

Last Update: 21/10/21

Version: 1.03

Contents

1. Hardware:.....	2
a. HighPoint Product:	2
b. Host Platform or External Device:	2
2. Compatibility Status:	2
3. Description:	2
4. Compatibility Details:	2
a. PCIe Host Interface:.....	2
b. Boot RAID Support (NVMe arrays used to boot a system):	2
c. Data RAID Support (NVMe arrays used for data storage):.....	3
5. Manufacturer Reference Material	3
a. Product Website:.....	3
b. User Guide:.....	3

1. Hardware:

a. HighPoint Product:

SSD7000, SSD7500, SSD6540, SSD6200 Series

b. Host Platform or External Device:

SuperMicro X10DRH-i

2. Compatibility Status:

Compatible (Boot & Data RAID)

3. Description:

The SuperMicro X10DRH-i is capable of supporting HighPoint SSD7000/SSD6200 series NVMe RAID controllers. SSD7500 series controllers can also be used with this platform, but will be unable to operate at full speed, as the systems only provides PCIe 3.0 connectivity. The SSD6540 series NVMe RAID enclosures utilize a PCIe Gen3 x16 NVMe HBA for external connectivity, which appear to be compatible with this platform.

The motherboard uses the Intel C610 chipset (Intel 600 based systems are known to be compatible with HighPoint NVME products). 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 SuperMicro X10DRH-i supports PCIe Gen3 (PCIe 3.0); it provides one PCI-E 3.0 x16 and 6 PCI-e 3.0 x8 slot. SSD7500 series products will be unable to operate at full speed on this motherboard. At the same time, the motherboard only provides a single PCIe 3.0 x16 (electrical) slot, so cross-Sync is not recommended.

Expansion Slots

PCI-E	<ul style="list-style-type: none">1 PCI-E 3.0 x16,6 PCI-E 3.0 x8
-------	---

Link: <https://www.supermicro.com/en/products/motherboard/X10DRH-i>

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

Compatible: The SuperMicro X10DRH-i utilizes a UEFI BIOS. Their user guides also covers UEFI boot capability & option ROM support, so it can support Bootable RAID configurations.

System BIOS	
BIOS Type	▪ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	▪ Plug and Play (PnP) ▪ PCI 2.3 ▪ ACPI 1.0 / 2.0 / 3.0 / 4.0 ▪ USB Keyboard support ▪ SMBIOS 2.7.1 ▪ UEFI 2.3.1

SATA RAID Option ROM/UEFI Driver

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

Source:

<https://www.supermicro.org.cn/manuals/motherboard/C600/MNL-1628.pdf>

c. **Data RAID Support (NVMe arrays used for data storage):**

There are no apparent restrictions for data-only storage configurations. Cross-Sync is not recommended, as the system only provides a single PCIe 3.0 x16 (electrical) slot.

5. Manufacturer Reference Material

a. Product Website:

Link: <https://store.supermicro.com/partsfinder#MBD-X10DRH-I?motherboard>

b. User Guide:

Link: <https://www.supermicro.org.cn/manuals/motherboard/C600/MNL-1628.pdf>