

**HighPoint SSD7000 Series & SuperMicro X11SRA
Motherboard
Compatibility Report**

Last Update: 21/10/06

Version: **V1.02**

Contents

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

1. Hardware:

a. HighPoint Product:

SSD7000 Series, SSD7500 Series, SSD6200 Series, SSD6540 Series

b. Host Platform or External Device:

SuperMicro X11SRA

2. Compatibility Status:

Compatible (Boot & Data RAID)

3. Description:

The SuperMicro X11SRA motherboard is capable of supporting HighPoint SSD7000 and 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. Cross-Sync is possible as the motherboard provides two PCIe 3.0 x16 (electrical) slots.

The current motherboard utilizes the Intel C422 chipset (Intel C420 based systems are known to be compatible with HighPoint NVME products). The motherboard BIOS includes UEFI support, and provides option ROM settings for UEFI and legacy devices.

4. Compatibility Details:

a. PCIe Host Interface:

The SuperMicro X11SRA utilizes a PCIe Gen3 (PCIe 3.0) host interface, and provides 3 PCIe 3.0 x16 (physical) slots. Two of these slots provide x16 lanes (x16 electrical):

Expansion Slots

PCI-E

- 3 PCI-E 3.0 x16,
- 1 PCI-E 3.0 x4
- ***3xPCI-E3.0 x16 Slots(8/16/16 (Skylake-W 48 lanes), 1xPCI-E3.0x4 slots***

b. Reference:

<https://www.supermicro.org.cn/en/products/motherboard/X11SRA>

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

The SuperMicro X11SRA can support bootable NVMe arrays. The BIOS appears to provide UEFI option ROM support, and has a Secure Boot option (which must be disabled by users).

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: <https://www.supermicro.org.cn/en/products/motherboard/X11SRA>

b. User Guide: <https://www.supermicro.com/manuals/motherboard/C420/MNL-2005.pdf>