

NRP6708



Main Features

- System 2U Rackmount
- 14th/13th Gen Intel® Core™
- HDD 8 Bays 3.5" (Supports 2 group 4 HDDs in RAID 5,10)
- 1 x NVME SSD, 1 x M.2 2242 SATA SSD
- 1 x PCIe x16
- Display DP1.4, HDMI 2.0b x 1, HDMI 1.4 x 1
- DDR4, up to 64GB
- 2 X 2.5GbE Intel Ethernet
- Audio in/out, Mic
- Single PSU 600W

Product Overview

The NRP6708 is equipped with 14th/13th Gen Intel® Core™ Processor Series, up to 16 Core with Performance-core for 8 and Efficient-Core for 8, Performance-core support basic frequency at 2.4GHz max turbo burst at 5.0GHz, and Efficient-Core support basic frequency at 1.8GHz max turbo burst at 3.8GHz, which supports up to 64GB DDR4 3200MHz memory, display supports DP1.4, HDMI 2.0b, and HDMI1.4 utilized Intel UHD graphics 770 controller in real-time display. Moreover, NRP6708R-R provides high quality digital stream recording alone with eight 3.5" HDD supporting H/W raid 0,1,5,10 and integrated SSD support for both NVME and M.2 interfaces. In addition, NRP 6708R supports a wide variety of display I/O configurations, including two Intel® 2.5GbE port, two USB 2.0, four USB 3.2 Gen1, audio interfaces, beside it can add on full length PCIe Express card to support stream accelerator and AI purpose.

Specifications

CPU

- 14th/13th Gen Intel® Core™

Memory

- 2 x DDR4 SO-DIMM, non-ECC, supports up to 64G
- Support OOB ECC

Platform Control Hub

- Intel® R680E

I/O Interface-Front

- 8 x Hot swappable 3.5" HDD bay
- 2 x USB 2.0 Type-A (output Max 500mA per port)

I/O Interface-Rear

- 4 x USB3.1 Gen2, Type-A (output Max 900mA per port)
- 1 x DP1.4 (8K30)
- 1 x HDMI 2.0b (4K60)
- 1 x HDMI 1.4 (4K24)
- 1 x Audio port (Line in/Line out/ MIC)
- 2 x RJ45 LAN port (2 x 2.5Gps)
- 1 x GPIO 4in/2out (optional)

Expansion Slot

- 1 x PCIe x16

Storage

- 8 x Hot swappable 3.5" HDD, supports hardware RAID 0,1,5,10 (*Remark 1)
- M.2 Key M 2280, supports NVMe Gen4
- M.2 Key B 2242, supports SATA3

Power Input

- Single PSU 600W
- Redundant power 1+1 600W (optional)

Dimensions

- 479.4mm (W) x 88mm (H) x 560mm (D)

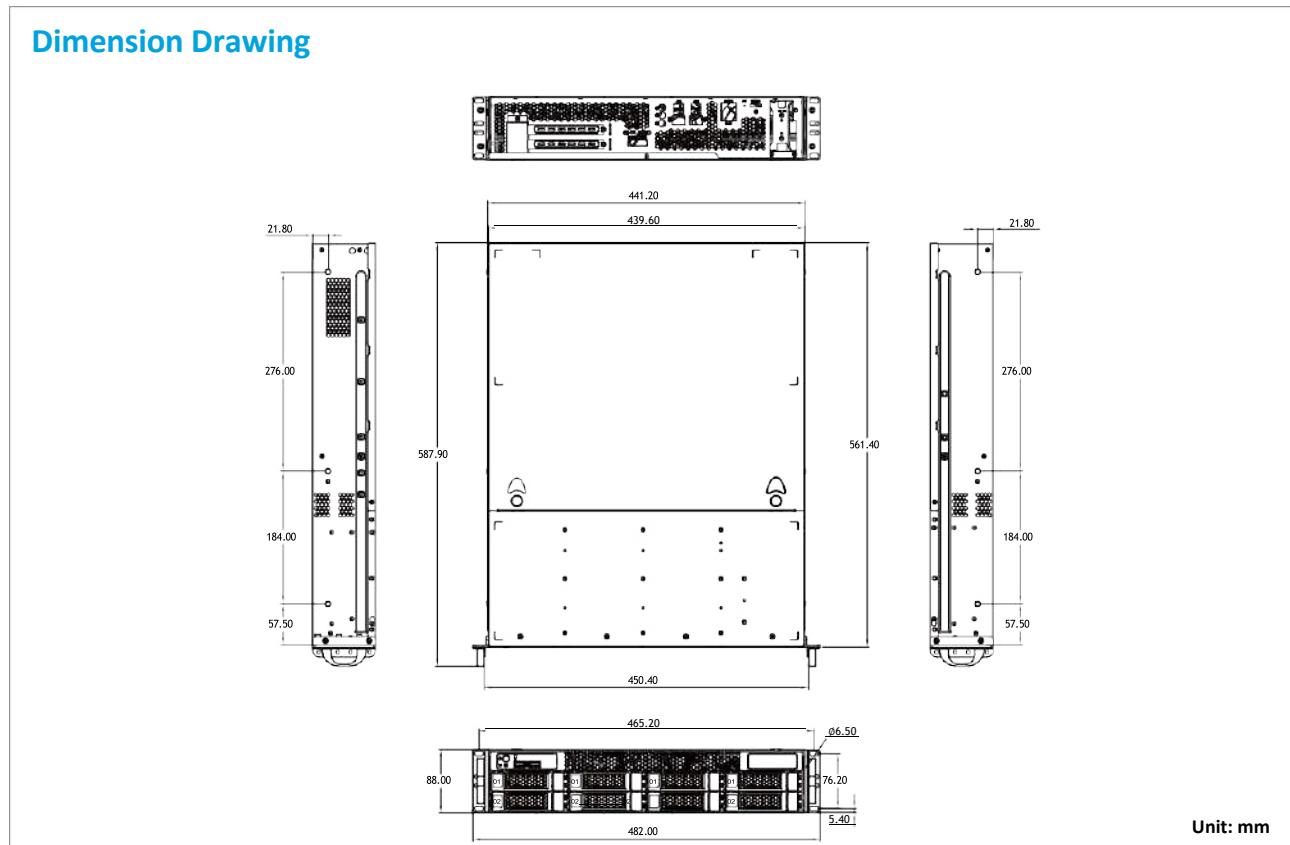
Environment

- Operating temperature: 0°C ~ 40°C
- Ambient with air flow: 0°C ~ 40°C
- Storage temperature: -20°C ~ 70°C
- Relative humidity: 0% ~ 90% (non-condensing)

Certifications

- CE approval
- FCC Class A

Dimension Drawing



*Remark 1: RAID Setting Matrix

NRP6708 (H/W RAID)	RAID 0 (set 1)	RAID 0 (set 2)	RAID 1	RAID 5	RAID 10
Number of groups	2	2	2	2	2
Number of HDs per group	2	4	2	4	4
Total HD Count	4	8	4	8	8

Ordering Information

- **NRP6708**
2U rack server
- **NRP6708-R**
2U rack server, redundant power 1+1