



Main Features

- System 2U desktop
- 12th/13th Gen Intel® Core™
- HDD 2bays 3.5"+ 3.5" (support RAID 0,1)
- 1 x NVME SSD, 1 x M.2 2242 SATA SSD
- DisplayPort 1.4, HDMI 2.0b x 1, HDMI 1.4 x 1
- DDR4 up to 64GB
- 2 x 2.5GbE Intel® Ethernet
- Audio in/out/Mic
- PCIe x16

Product Overview

The NRP6602 is equipped with 12th/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 bust at 5.0GHz, and Efficient-Core support basic frequency at 1.8GHz max turbo bust at 3.8GHz, which supports up to 64GB DDR4 3200MHz memory, display support DisplayPort 1.4, HDMI2.0b and HDMI1.4 utilized Intel UHD graphics 770 controller in real-time display. Moreover, NRP6602 provides high quality digital stream recording alone with two 3.5" HDD supporting H/W RAID 0,1, and integrated SSD support for both NVME and M.2 interfaces. In addition, NRP6602 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 card to support stream accelerator and AI purpose.

Specifications

CPU

- 12th/13th Gen Intel® i9-13900E/i7-12700E/i5-12500E/i3-12100E

Memory

- 2 x DDR4 SO-DIMM non-ECC support up to 64G
- Support OOB ECC in R680E

Platform Control Hub

- Intel® Q670E (option R680E)

I/O Interface-Front

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

I/O Interface-Rear

- 4 x USB 3.2 Gen1, Type-A (per port output Max 900mA)
- 1 x DisplayPort 1.4 (4K60)
- 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 (2 x 2.5Gps)
- 1 x 4DI/2DO GPIO terminal block (option)

Expansions

- 1 x PCIe by 16 slots (supports full x16 lanes; riser-compatible with either 1 x16 or 2 x8)

Storage

- Hot swappable 3.5" HDD x 2, supports hardware RAID 0,1
- M.2 2280 Key M support NVMe Gen4
- M.2 2242 Key B support SATA3

Power Input

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

Dimensions

- 430mm (W) x 84mm (H) x 330mm (D)

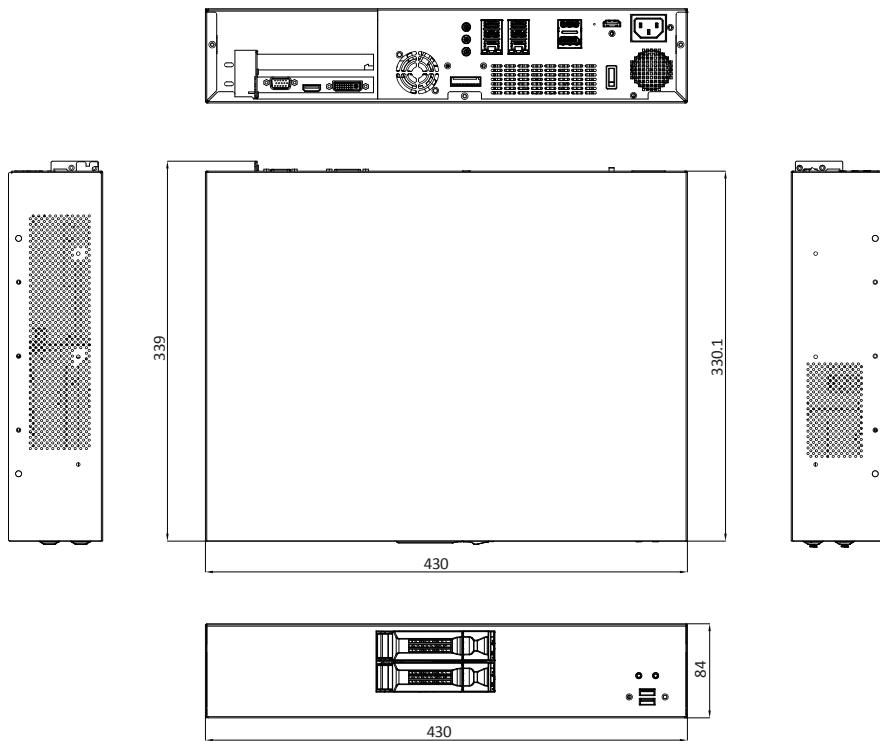
Environment

- Operating temperature: 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
- UL compliance

Dimension Drawing



Ordering Information

- **NRP6602**
2U rack workstation
- **NRP6602-R**
2U rack workstation, redundant power 1+1