NVAiS 1502

AI NVR Workstation
with Intel® Core™ Ultra Processor (Series 2)



Main Features

- AI NVR workstation
- Intel Core Ultra Processor (Serial 2)
- HDD 2 Bays 3.5” (Support RAID 0,1)
- 2 x NVME SSD
- Display DP 1.4, HDMI® 2.0b x1
- Intel® Arc™(Xe-Core) Graphics
- DDR5 up to 64GB
- 2 X 2.5GbE Intel® Ethernet
- High-quality digital streaming
- AI-driven workloads

Product Overview

The NVAiS 1502 NVR, powered by Intel® Core™ Ultra processor (series 2) with integrated NPU, delivers up to 13~36 platform TOPS (by CPU SKU) to accelerate machine learning, reduce CPU workload by up to 70%, and enable real-time inference and generative AI applications. The integrated AI accelerators work in harmony with Intel® Arc™ (Xe-Core) Graphics to enhance neural network processing. The NVAiS 1502 supports up to 64GB of DDR5 memory, optimized through Intel® Extreme Memory Profile (Intel® XMP) for dynamic overclocking, and features Intel® Extreme Tuning Utility (Intel® XTU) for real-time granular adjustments, allowing users to maximize system performance.

The device is equipped with dual Intel® 2.5GbE ports for high-speed networking, and offers versatile display outputs with DP 1.4 and HDMI® 2.0b support, ensuring high-quality visuals across multiple monitors. For storage, in addition to NVMe SSD options, the NVAiS 1502 can accommodate two 3.5” HDDs to support RAID 0/1 configurations, providing a robust, high-capacity, and high-speed storage solution tailored to meet the needs of intensive AI and multimedia applications.

Specifications

Processor
- Intel® Core™ Ultra Processor (Series 2)

Memory
- 2 x DDR5 6400 C/SO-DIMM, non-ECC, up to 64GB
- Support OOB ECC in W880 (optional)

Chipset
- Intel® Q870 (option W880)

I/O Interface Front
- 2 x USB 2.0 Type-A (Per port output Max 500mA)

I/O Interface Rear
- 4 x USB 3.2 Gen 1, Type-A (Per port output Max 900mA)
- 1 x DP 1.4 (4K@60fps)
- 1 x HDMI® 2.0b (4K@60fps)
- 2 x 2.5GbE RJ45 port

Storage
- HDD 2 Bays 3.5”, supports RAID 0,1
- 2 x M.2 Key M 2280 (1 x NVMe Gen5 and 1 x NVMe Gen4)
- 1 x M.2 Key B 2242 (SATA)

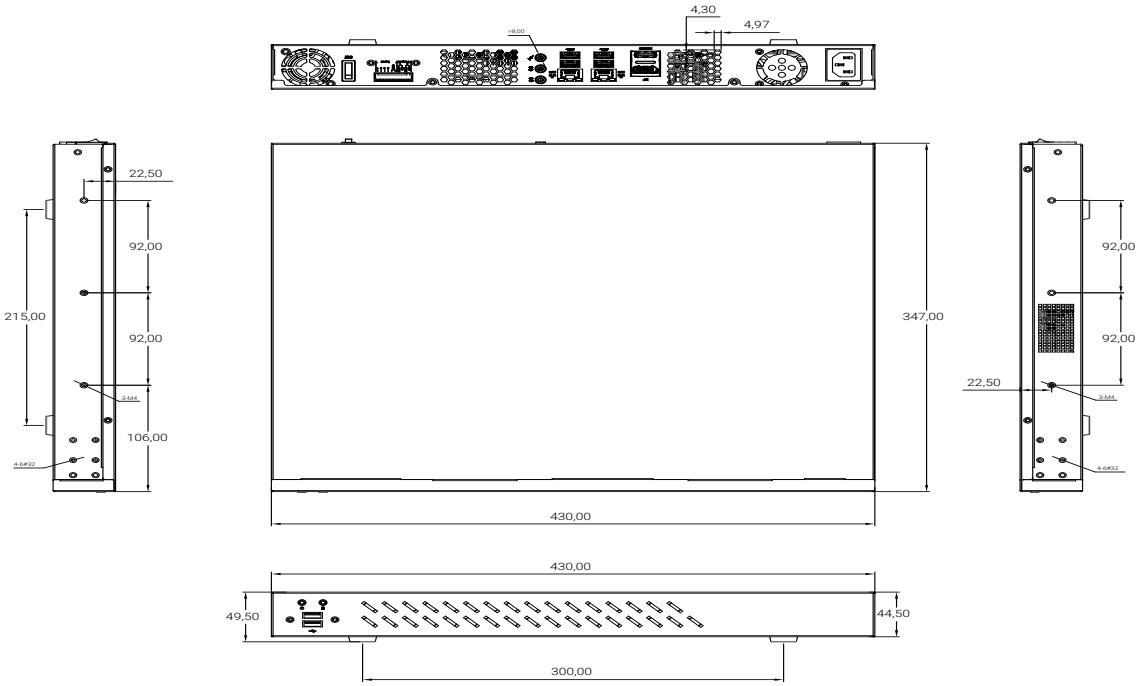
Power Supply
- Single PSU 300W

Dimensions
- 430mm (W) x 49.5mm (H) x 347mm (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
- CB/UL Option

Dimension Drawing



Ordering Information

- **NVAiS 1502 (P/N: 10C00150200X0)**