



Main Features

- ♦ System 2U Rackmount
- ♦ Intel® Core™ processor (Series 2)
- ♦ HDD 12 Bays 3.5"
- ♦ 2 x NVMe SSD, 1 x M.2 2242 SATA SSD
- ♦ Display DP1.4 x1, HDMI® 2.0b x1, HDMI® 1.4 x1
- ♦ DDR5 up to 64GB
- ♦ 2 X 2.5GbE Intel® Ethernet
- ♦ Audio in/out/Mic
- ♦ PCIe x 16

Product Overview

The NViS6712 is powered by Intel® Core™ Series 2 processor, which is a LGA1700 P-core-only CPU series specifically designed for Edge use cases. It features up to 12 Performance-cores (P-cores) and supports Hyper-Threading technology, providing powerful multitasking performance with up to 24 threads. With single-core Turbo Boost reaching up to 5.9 GHz, L3 cache up to 36 MB, and 45W/65W/125W TDP, it effectively balances high performance with power control. The system supports up to 64 GB of DDR5 memory, which operates at a reduced voltage of 1.1V to save approximately 20% power. It also includes integrated Intel UHD Graphics 770, supporting multi-display output via DP 1.4, HDMI® 2.0b, and HDMI® 1.4. Coupled with a 12-bay storage design, the system offers a massive storage capacity particularly suitable for large-scale data storage and processing needs.

Specifications

Processor

- ♦ Intel® Core™ processor (Series 2) 12P
- ♦ Intel® Core™ Gen 14th/13th/12th support

Memory

- ♦ 2 x DDR5 SO-DIMM, ECC/Non-ECC support, up to 64G
 - Memory bus with data transfer rates 5600 MT/s (Core 7~9 series) and 4800 MT/s (Core 3~5series)
 - Support OOB ECC

Chipset

- ♦ Intel® R680E

I/O Interface Front

- ♦ 12 x Hot swappable 3.5" HDD bay
- ♦ 2 x USB 2.0 Type-A (per port output max. 500mA)

I/O Interface Rear

- ♦ 4 x USB 3.2, Type-A (per port output max. 900mA)
- ♦ 1 x DP 1.4
- ♦ 1 x HDMI® 2.0b
- ♦ 1 x HDMI® 1.4
- ♦ 1 x Audio port (Line in/ Line out/ Mic)
- ♦ 2 x 2.5GbE RJ45 port
- ♦ 1 x GPIO 4in/2out (optional)

Expansion Slot

- ♦ 1 x PCIe 5.0 1 x16 slot
- ♦ 1 x PCIe 4.0 1 x16 slot or 2 x8 (optional)

Storage

- ♦ 12 x Hot swappable 3.5" HDD, supports up to 26TB
- ♦ 2 x M.2 Key M 2280, supports PCIe 4.0 (NVMe)
- ♦ 1 x M.2 Key B 2242, supports SATA 3.0

Power Supply

- ♦ Single PSU 600W

Dimensions

- ♦ 481.6mm (W) x 88mm (H) x 586.4mm (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

