

NUC7CJYHN – Dual-Core Celeron Tall Chassis

Who said small isn't powerful?

The NUC7CJYHN delivers cost-efficient Intel-level performance, perfect for basic 4K digital signage or as a desktop replacement. This tiny but mighty NUC can be used to drive digital signs that showcase menus, display corporate information, or for productivity apps that help get business done. Primarily for single application usage such as web browsing, digital signage, KIOSK, the Intel® Celeron® processor can even run Office applications.

This unit has support for up to 8GB of memory and has a 2.5in drive bay supporting a SATA drive up to 2TB of HDD, 2TB of SSHD, or 4TB of SSD.

The Intel® UHD Graphics supports up to 4K display capabilities at 60Hz over each of its two HDMI ports.

All of this in a small 4" x 4" x 2" sized package which can be mounted behind your monitor or be unobtrusively located in plain sight due to its small size. The active cooling system adjusts as needed to minimize noise during light loads where it isn't needed as much, and barely audible cooling when more is needed.

Cut the cords, not the Performance

The NUC7CJYHN comes with Intel® 802.11ac wireless, for connectivity right out-of-the-box. This makes it simple to immediately access files in the cloud, and with built-in Bluetooth 5, you can connect wireless peripherals like headsets and keyboards.

Highlighted Features

- Intel® J4025 Processor
- Intel® UHD Graphics 605
- 4GB to 8GB DDR4 Memory
- 64GB to 4TB 2.5" SATA SSD
- Dual HDMI 2.0a Supporting 4K @ 60Hz
- Intel® Gigabit LAN
- Intel® 802.11ac Wireless
- Intel® Bluetooth
- 4x USB 3.0 Ports (One with Charging)
- Digital Audio 7.1 Surround Sound
- Internal Dual-Band Antennas
- Front Panel Power Button
- Kensington Lock Support
- 19V_{DC} Power Supply
- VESA Mount Kit

Customization

- 2x DDR4 SO-DIMM Sockets
- Internal 2.5" SATA Bay
- Supports Functional and Colored Lids
- 2x Internal USB 2.0 Headers
- Consumer Electronics Control (CEC) Internal Header



Technical Specification

Processor

- Intel[®] Celeron[®] J4025 (2.0GHz to 2.9GHz Burst, Dual-Core, 4MB Cache, 10W TDP)

Graphics

- Intel[®] UHD Graphics 605
- 2x HDMI Ports (4K @ 60Hz)

System Memory

- 2x DDR4 SO-DIMM Sockets (4GB to 8GB)

Storage Capabilities

- 1x SATA 3 Port for Connections to 2.5" HDD, SSHD, or SSD
- SDXC Slot with UHS-I Support, on the side

Peripheral Connectivity

- Intel[®] Gigabit LAN
- 4x Super Hi-Speed USB 3.0 Ports (2x Front Panel with one Charging Port and 2x Rear Panel)
- 2x Additional Hi-Speed USB 2.0 Ports via Internal Header
- Intel[®] Wireless-AC 3168 (802.11ac), 1x1, up to 433Mbps
- Bluetooth 5

System Bios

- 64Mb Flash EEPROM with Intel[®] Platform Innovation Framework for EFI Plug and Play
- Advanced Configuration and Power Interface V3.0b, SMBIOS2.5
- Intel[®] Visual BIOS
- Intel[®] Express BIOS Update Support

Audio

- Up to 7.1 Surround Sound via HDMI

Front Panel Header

- Reset, HDD LED, Power LEDs, Power On/Off

Hardware Management Features

- Voltage and Temperature Sensing
- ACPI-Compliant Power Management Control
- Fan Sensor Input Used to Control Fan Activity

Baseboard Power Requirements

- 12V_{DC} to 19V_{DC} Input Voltage Range
- 19V_{DC}, 65W AC-DC Power Adapter with Detachable Power Cord Supplied

Expansion Capabilities

- 2x Internal USB 2.0 Ports via Two 1x4 Headers (for Functional Lid Support)
- 1x AUX_PWR Header
- 1x Consumer Electronics Control (CEC) Header
- 2.5" Drive Mount for SATA Drive

Mechanical Chassis Information

- 4.55" x 4.57" x 2.01" (115mm x 111mm x 51mm)

Certifications and Regulation

Safety Regulations and Standards

- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No. 60950-1

EMC/RF Regulations and Standards

- FCC CFR Title 47, Chapter 1, Part 15, Subparts B, C,
- EN 55032
- EN 55024
- CISPR 32
- ICES-003
- ETSI EN 300 328
- ETSI EN 301 489-1
- ETSI EN 301 489-17
- ETSI EN 301 893
- EN 62311
- AS/NZS 2772.2
- AS/NZS 4268
- VCCI V-2, V-4, V-5
- KN-32

EMC/RF Regulations and Standards (continued)

- KN-24
- CNS 13438

Environmental Operating Temp

- 0°C to +45°C
- Non-Condensing Humidity
- -20°C to +70°C Storage Temperature

Environmental Regulations

- RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- China RoHS

Certified Operating Systems

- Windows 10 64-bit (Pro & Home)
- Windows 10 IoT Enterprise (64-bit only) CBB and LTSB
- Linux