NUC6CAYH - Quad-Core Celeron Tall Chassis

Who said small isn't powerful?

The Simply NUC6CAYH 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 or 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 6th Generation Intel® Celeron® processor can even run Office applications.

With support for up to 8GB of memory and the 2.5in drive bay will support a SATA drive up to 2TB of HDD, 2TB of SSHD, or 4TB of SSD

The Intel® HD Graphics supports up to 4K display capabilities at 60Hz and a second monitor can be supported on the VGA port at resolutions up to 2048 x 1536 and 24-bit color

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

New features let you use Windows® 10 to its full potential

The Simply NUC6CAYH has some cool new features including dual-array front microphones so you can take advantage of Cortana's capabilities if you include Windows® 10 with no additional hardware needed. There's also a front power button and a multi-color LED ring so you can personalize the NUC with the look you want, along with 7.1 surround sound via the HDMI port to deeply immerse you in your content. You can also listen with headphones via the front microphone/audio jack. The choice is yours.

Cut the cords, not the Performance

The Simply NUC6CAYH 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 4.2, you can connect wireless peripherals like headsets and keyboards.

Highlighted features

- 6th Gen Intel® Quad-Core Celeron
- Intel® HD Graphics 500
- 4GB DDR3L-1600 (8GB Max)
- 64GB 2.5in SATA SSD (4TB Max)
- SDXC card slot (UHS-1)
- HDMI 2.0 supporting 4K @ 60Hz
- VGA port supporting 2048x1536
- Intel® Gigabit LAN
- Intel® Dual Band Wireless
- Intel® Bluetooth 4.2
- Four USB 3.0 Ports. One w/Charging
- Digital Audio 7.1 Surround Sound
- HD Audio over 3.5mm Headset Jack
- Speaker/TOSLink Optical Jack
- Internal Dual-Band Antennas
- Front panel power button
- Kensington lock support
- 19V DC Jack (12-19v operation)
- VESA Mount Kit

Customization

- Two DDR3L-1600 SO-DIMM Sockets
- Internal 2.5 inch SATA Bay
- Supports functional and colored Lids
- MultI-color front panel LED ring
- Two internal USB 2.0 headers
- Consumer Electronics Control (CEC) internal header

Simply NUC Services
You can order this NUC in your various configurations, as well as your corporate OS Image loaded and ready to deploy.

Technical Specifications

Processor
- Intel® Celeron® processor J3455 (1.5 GHz to 2.3GHz Burst, Quad-Core, 2MB Cache, 10W TPD)

Graphics
- Intel® HD Graphics 500
- One HDMI 2.0 port (4K @ 60Hz)
- One VGA port (2048x1536)

System Memory
- Two DDR3L SO-DIMM sockets (4GB supplied as standard, 8GB Max), 1.35V

Storage Capabilities
- 64GB 2.5in SATA SSD pre-installed
- One SATA 3 port for connection to 2.5" HDD, SSHD, or SSD (up to 9.5 mm thickness)
- SDXC slot with UHS-I support on the side

Peripheral Connectivity
- Intel® Gigabit LAN
- Four Super Hi-Speed USB 3.0 ports (two on back panel and two on front panel including one charging port on front)
- Two additional Hi-Speed USB 2.0 ports via internal header
- Intel® Dual Band Wireless-AC 3168 (802.11ac), 1x1, up to 433 Mbps
- Dual Mode Bluetooth 4.2

System Bios
- 64 Mb 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 audio via HDMI •
- HD Audio headphone/microphone jack on the front panel
- Dual-array near-field microphones integrated into the front panel
- HD Audio speaker/TOSLink optical audio jack on the back panel

Front Panel Header
- Reset, HDD LED, Power LEDs, power on/off

Baseboard Power Requirements
- 19V, 65W wall-mount AC-DC power adapter with international plugs

Mechanical Chassis Size
- 4.53" x 4.37" x 2.01"
- 115 mm x 111 mm x 51 mm

Expansion Capabilities
- Two Internal USB 2.0 ports via two 1x4 headers (for functional lid support)
- One AUX_PWR header
- One Consumer Electronics Control (CEC) header
- 2.5in Drive Mount for SATA drive

Hardware Management Features
- Voltage and temperature sensing
- ACPI-compliant power management control
- Processor fan speed control
- Fan sensor inputs used to monitor fan activity

Certification and Regulations

Product 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 (Class B)
- CISPR 32
- FCC CFR Title 47, Chapter I, Part 15, Subparts B, C
- ICES-003
- EN 55032
- ETSI EN 300 328
- ETSI EN 301 489-17
- EN 62311
- AS/NZS 2772.2
- VCCI V-2, V-3, V-4
- KN-32
- CNS 13438
- EN 55024
- ETSI EN 301 489-1
- ETSI EN 301 893
- AS/NZS 4268
- KN-24

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

Environment Operating Temp
- 0° C to +45° C
- Non-condensing Humidity

Storage Temperature
- -20° C to +70° C

Certified Operating Systems
- Windows 10 64-bit (Pro & Home)
- Windows 10 IoT Enterprise - (64-bit only) CBB and LTSB
- Various Linux including: Ubuntu, Mint, openSUSE, etc (Contact Simply NUC for specifics)