Simply NUC

intel® Technology Provider Platinum 2019

NUC8CCHKR - Dual-Core Celeron System

Who said small isn't powerful?

The Simply NUC8CCHKR 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 usages such as web browsing, digital signage, and kiosks, the Intel® Celeron® processor can also run Office applications.

This unit comes equipped with 4GB of soldered memory and an M.2 2280 M Key slot for PCIe x4 NVMe or SATA SSD performance.

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

All of this in a small 4" x 6" x 1.5" sized package which can mount behind your monitor or be unobtrusively located in plain sight due to its small size.

The fanless rugged design and no moving parts also provides hassle-free operation in 0~40°C environments.

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

The Simply NUC8CCHKR has some cool new embedded features including built-in CEC for the HDMI, an internal 4-lane eDP connector, an RS232 serial port header, delayed AC start, and DC transient voltage suppression. The NUC8CCHKR also is qualified for 24/7 operation and features EDID emulation for headless operation, a second virtual display, or persistent displays. There's also 7.1 surround sound via the HDMI port to deeply immerse you in your content.

Cut the cords, not the Performance

The Simply NUC8CCHKR 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® Dual-Core Celeron
- Intel® UHD Graphics 500
- 4GB DDR4 memory
- 64GB soldered eMMC
- M.2 2280 for NVMe / SATA SSD
- Dual HDMI ports with built-in CEC
- Intel® Gigabit LAN
- Intel® 802.11ac Wireless
- Intel® Bluetooth
- Two USB 3.0 Ports, Two USB 2.0 Ports
- Digital Audio 7.1 Surround Sound
- HD Audio over 3.5mm Line-Out
- External Dual-Band Antennas
- Front panel power button
- Kensington lock support
- 19V DC Jack (12-19v operation)
- VESA Mount Kit

Customization

- M.2 PCIe slot for NVMe or SATA SSD
- Internal 4-lane eDP Connector
- 1x internal USB 3.0 header
- 2x internal USB 2.0 headers
- RS232 serial port header
- Front-panel header (Vcc5/1A, 5Vsby/2A, 3.3Vsby/1A)
- 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.

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Technical Specifications

Processor
- Intel® Celeron® N3350 (1.1 GHz to 2.4GHz Burst, Dual-Core, 2MB Cache, 6W TDP)

Graphics
- Intel® HD Graphics 500
- Two HDMI ports (1x 2,0a, 1x 1.4) (4K @ 60Hz)

System Memory
- Two Soldered 4GB DDR4 Dual-channel RAM

Storage Capabilities
- 64GB soldered-down eMMC
- One 2280 M.2 PCIe x4 slot for NVMe or SATA SSD

Peripheral Connectivity
- Intel® Gigabit LAN
- Four USB ports (one front and rear Super Speed USB 3.0, two rear USB 2.0 ports)
- One additional USB 3.0 header (host & device modes)
- Two additional Hi-Speed USB 2.0 ports via internal header
- Intel® Wireless-AC 3168 (802.11ac), 1x1, up to 433 Mbps
- 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 3.5mm speaker

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

Expansion Capabilities
- Front panel expansion bay (compliant with daughter-cards from 3rd-party functional lids)
- One internal USB 3.0 header & Two internal USB 2.0 headers w/ Individual USB power control

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

Mechanical Chassis Size
- 6.06" x 4.25" x 1.25"
- 154 mm x 108 mm x 32 mm

Hardware Management Features
- Voltage and temperature sensing
- ACPI-compliant power management control
- Delayed AC start
- DC transient voltage suppression

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
- EN 55024
- 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-3, V-4
- KN-32
- KN-24
- CNS 13438

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

Environment Operating Temp
- 0° C to +40° C
- Non-condensing Humidity

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

Compatible Operating Systems
- Windows 10 64-bit (Home)
- Windows 10 64-bit (Pro)
- Various Linux distros
- Android validation and image availability (TBD)