

## NUC8CCHKRN – Dual-Core Celeron System

### Who said small isn't powerful?

The Simply NUC8CCHKRN 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 NUC8CCHKRN 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 NUC8CCHKRN 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 NUC8CCHKRN 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
- 64 GB Soldered eMMC
- M.2 2280 for NVMe or SATA SSD
- Dual HDMI Ports with built-in CEC
- Intel® Gigabit LAN
- Intel® 802.11ac Wireless
- Intel® Bluetooth
- 2x USB 3.0 Ports
- 2x USB 2.0 Ports
- Digital Audio 7.1 Surround Sound
- External Dual-Band Antennas
- Front Panel Power Button
- Kensington Lock Support
- 19V<sub>DC</sub> Power Supply
- 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 (5Vcc/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.

## Technical Specification

### Processor

- Intel® Celeron® N3350 (1.1GHz to 2.4GHz Burst, Dual-Core, 2MB Cache, 3W TDP)

### Graphics

- Intel® UHD Graphics 500
- 2x HDMI Ports (1x 2.0a, 1x 1.4), 4K @ 60Hz

### System Memory

- 2x Soldered 4GB DDR4 Dual-channel RAM

### Storage Capabilities

- 64GB soldered-down eMMC
- 1x 2280 M.2 PCIe x4 slot for NVMe or SATA SSD

### Peripheral Connectivity

- Intel® Gigabit LAN
- 4x USB Ports (1x Front and 1x Rear Super Speed USB 3.0, 2x Rear 2.0 Ports)
- 1x Additional USB 3.0 Header (Host & Device Modes)
- 2x Additional Hi-Speed USB 2.0 Ports via Internal Header
- Intel® Wireless-AC 3168 (802.11ac), 1x1, up to 433Mbps
- Bluetooth 4.2

### 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, Power LEDs, Power On/Off

### Hardware Management Features

- Voltage and Temperature Sensing
- ACPI-Compliant Power Management Control
- Delay AC Start
- DC Transient Voltage Suppression

### Baseboard Power Requirements

- 12V<sub>DC</sub> to 24V<sub>DC</sub> Input Voltage Range
- 19V<sub>DC</sub>, 65W AC-DC Power Adapter with Detachable Power Cord Supplied

### Expansion Capabilities

- Front Panel Expansion Bay (Compliant with Daughter-cards from 3<sup>rd</sup>-Party Function Lids)
- 1x Internal USB 3.0 Header
- 2x Internal USB 2.0 Header with Individual USB Power Control

### Mechanical Chassis Information

- 6.06" x 4.25" x 1.25" (154mm x 108mm x 32mm)

## 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 I, 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 +40°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)
- Linux