![Intel logo] experience
what's inside™

INTEL® NUC KIT
NUC6CAYH

4K60 DISPLAY CAPABILITY | HDB15 VGA PORT

INTERNAL CEC HEADER

INTEL® HD GRAPHICS

The Shape that Fits the Future.

intel CELERON inside™

Unlock sales and your customers' imaginations with the Intel® NUC Kit NUC6CAYH. A fully customizable kit with the quad-core Intel® Celeron® processor and Intel® HD Graphics, the NUC6CAYH delivers cost-efficient Intel-level performance, perfect for basic 4K digital signage or as a desktop replacement. This tiny but mighty Intel NUC makes it easy for you to sell across the value chain and offer your customers a complete family of Intel NUCs along the entire spectrum of Intel® processors.

Whether your customers use the NUC to drive digital signs that showcase menus or display corporate information, or for productivity apps that help get business done, the NUC6CAYH delivers the performance they need to meet a deadline or display information.

Intel® HD Graphics via a full-sized HDMI* port

Intel® HD Graphics with 4K display capabilities at 60 Hz lets your customers display information in brilliant 4K and adds better definition and clarity to images and messages. For desktop replacements, the 60 Hz refresh rate keeps mouse and cursor movement crisp, and eyes from tiring.

The performance and value your customers want

While the NUC6CAYH is designed for Windows® 10, you have the choice to install the OS, memory, and hard drive you want so you can create the exact system that your customers need. From digital signs to desktop replacement to thin client, you can build a Mini PC that does exactly what your customers need it to do.

With support for up to 8 GB of RAM, it's easy to stream media to digital signs without stuttering and multitask with ease. There are 4 USB 3.0 ports including a USB charging port—which can let you generate additional peripheral sales for USB keyboards, mice, and Intel® RealSense™ cameras. Then with the addition of some third-party software, you've just created a Mini PC that lets your customers chat and collaborate with others as easily as if they were in the same room.

There are also some hip new features including a dual-array front mic so Windows 10 customers can take advantage of Cortana's* capabilities, a front power button, and a multi-color LED ring so you can customize the NUC with the look your customers want.

Finally, internal headers, including AUX_PWR and CEC, allow for deep customization for PC-like embedded systems.

Cut the cords, not the performance

The NUC6CAYH comes with Intel® 802.11ac wireless, Intel's fastest wireless available today, 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, your customers can connect wireless peripherals like headsets and keyboards.
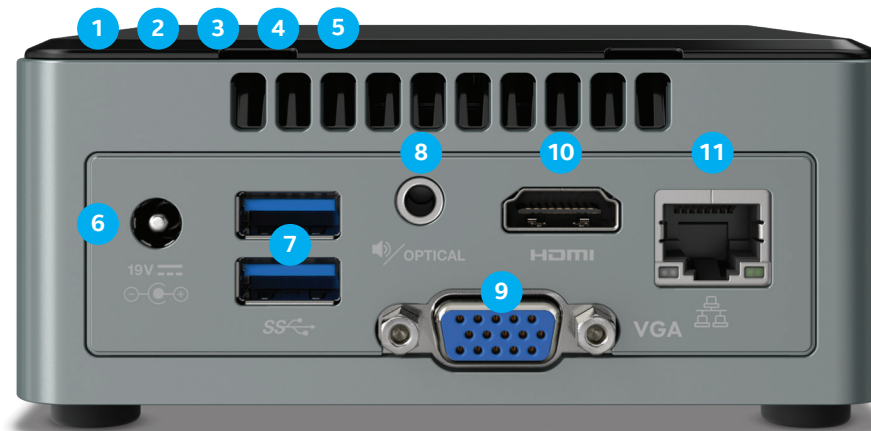
Finally, the NUC6CAYH has room for a lightning fast 2.5" SSD or spacious HDD to cover all your customers' data storage needs. And because it's all built by Intel, your customers know they're getting the value, performance, and innovation they've come to expect.

INTEL® NUC: The potential for sales is limited only by your imagination.

GO SMALL. GET BIG.

POWER, CAPABILITIES, AND PERFORMANCE IN FOUR INCHES SQUARE

Highlighted Features

1 Intel® Celeron® processor J3455, 1.5 GHz to 2.3 GHz Burst

2 Intel® HD Graphics

3 Two DDR3L SO-DIMM sockets (up to 8 GB, 1866 MHz)

4 1x SATA3 port for connection to 2.5" HDD or SSD

5 Intel® Dual Band Wireless-AC 3168 and Bluetooth* 4.2

6 Back panel DC power connector (12–19V)

7 Two USB 3.0 ports on the back panel

8 Combo speaker/TOSLINK optical audio jack

9 VGA port

10 One full-size HDMI* 2.0 display port supporting 8 channel audio (7.1 surround sound)

11 Gigabit LAN

12 Multi-color front panel LED ring

13 Support for user-replaceable third-party lids

14 Kensington lock support

15 SD card slot

16 Consumer infrared sensor

17 Two USB 3.0 ports (including one charging port)

18 Headphone/microphone jack

19 Front panel power button

20 Dual array front microphones

INTEL® NUC KIT NUC6CAYH

Technical Specifications

Processor
- Intel® Celeron® processor J3455 (1.5 GHz to 2.3 GHz Burst, Quad Core, 10W TDP)

Graphics
- Intel® HD Graphics 500
- One HDMI* 2.0 port with 4K at 60 Hz
- One VGA port

System Memory
- Two DDR3L SO-DIMM sockets (up to 8 GB, 1866 MHz), 1.35V

Storage Capabilities
- SDXC slot with UHS-I support on the side
- One SATA3 port for connection to 2.5" HDD or SSD (up to 9.5 mm thickness)

Peripheral Connectivity
- Gigabit LAN
- Four Super Hi-Speed USB 3.0 ports (two back panel ports and two front ports including one charging port)
- 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

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

Expansion Capabilities
- Two Internal USB 2.0 ports via two 1x4 headers (for replaceable lid support)
- One AUX_PWR header
- One Consumer Electronics Control header

Audio
- Up to 7.1 surround audio via HDMI
- Headphone/microphone jack on the front panel
- Dual array front mics on the front panel
- Combo speaker/TOSLINK optical audio jack on the back panel

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

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

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

Environment Operating Temperature
- 0° C to +40° C

Storage Temperature
- -20° C to +60° C

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 - Management Methods for Restricted Use of Hazardous Substances in Electrical and Electronic Products

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