

intel  
nuc

# Legendary Performance. Striking Size.

The Intel® NUC 11 Enthusiast Mini PC  
delivers game-changing performance  
in a super-small, sleek chassis.

Intel® NUC 11 Enthusiast Mini PC & Kit



# Experience the Cool Side of Powerful

## Features

- 11th Gen Intel® Core™ i7 processor
- NVIDIA® GeForce RTX™ 2060 discrete graphics
- Intel® Wi-Fi 6, the latest generation of Wi-Fi, and 2.5 Gbps Ethernet
- Up to 64 GB of ultra-fast dual-channel DDR4-3200 memory
- Two Thunderbolt™ 4 ports for fast data transfers and charging
- HDMI 2.0b and Mini DisplayPort 1.4 ports supports up to four monitors
- Customizable top RGB panel to create a signature design
- New thermal design uses five heat pipes to keep system cool and quiet
- Intel® Optane™ Memory H10 or H20 ready
- Beam-forming, far-field, quad-mic array, with Alexa support
- Intel three-year warranty

Take gaming to the next level with the ultra-sleek, super-small Intel® NUC 11 Enthusiast Mini PC and kit. Powered by an 11th Gen Intel® Core™ i7 processor with NVIDIA® GeForce RTX™ 2060 discrete graphics, these 1.3 liter systems deliver commanding performance while taking up just a sliver of desk space.

This system is designed for anyone who wants an unparalleled combination of performance, riveting visuals, and fast and flexible connectivity. Along with the CPU's breakthrough performance and the GPU's immersive visuals, gamers and creators can connect fast with Intel® Wi-Fi 6, two Thunderbolt™ 4 ports, and HDMI and Mini DisplayPort ports for attaching up to four monitors.

At home or the next competition, the system makes it easy to stay cool. The new cooling system won't heat up the room, no matter how hot the gameplay gets, and with the innovative thermal design, the

system runs at a whisper and can be tucked into tight spots vertically or horizontally. It's also easy to customize the top RGB panel to create a signature design, and already-fast launch times can be cranked up with Intel® Optane™ memory H10 or H20.

The Intel NUC 11 Enthusiast Mini PC and kit might be cool, quiet, and compact, but make no mistake: It packs the performance punch needed to dominate the competition.

**Intel® NUC 11 Enthusiast:  
Phenomenal Performance. Spectacular Size.**

Connect up to  
**4 monitors**

Ideal for  
Gaming  
Streaming  
Content creation



# Built with Intel® Core™ i7 processors

Intel® NUC 11 Enthusiast Mini PC and Kit



	Mini PC	Kit
	NUC11PHKi7CAA	NUC11PHKi7C
Processor	11th Gen Intel® Core™ i7-1165G7 processor 2.8 GHz – 4.7 GHz Turbo, 4 core, 8 thread 12MB Cache, 28W Intel® Iris® X® Graphics G7, up to 1.3 GHz	
Discrete Graphics	NVIDIA® GeForce RTX™ 2060 Discrete Graphics w/ 6 GB GDDR6	
Memory	16 GB (2x 8 GB) DDR4-3200	Dual-channel DDR4-3200 SODIMM slots
Storage	Intel® Optane™ Memory H10 (32 GB + 512 GB) Solid State Storage	M.2 22x80/110 PCIe x4 Gen3 NVMe and M.2 22x80 key M slots for PCIe x4 Gen3 NVMe or SATA3 SSDs
Other Features & Technology	HDMI 2.0b port   Mini DisplayPort 1.4 port   Two Thunderbolt™ 4 ports (fast charging)   Intel® 2.5 GB Ethernet port   Intel® Wi-Fi 6 AX201 and Bluetooth® 5 Six USB 3.2 Gen2 ports   SDXC slot with UHS-II support   Beam-forming, far-field, quad-mic array, with Alexa support Supports up to 4 monitors   Front consumer infrared port   RGB backlit top lid skull logo with user-replaceable mask Kensington lock ready   3-Year limited warranty	
Geo-Specific Power Cord	US, EU, CN, or No Cord Option	US, EU, UK, AU, IN, CN, or No Cord Option
Operating System	FREE upgrade to Windows 11 (when available) <sup>1</sup> Windows 10 Home	Not Included
What's Needed	—	Memory, Storage, Operating System



# Intel® NUC 11 Enthusiast Mini PC and Kit

## Additional Technical Specifications



### Processor

- Intel® Core™ i7-1165G7 processor (2.8 GHz – 4.7 GHz Turbo, 4 core, 8 thread 12 MB Cache, 28W)
- Intel® Iris® X<sup>e</sup> Graphics G7, up to 1.3 GHz

### Discrete Graphics Options

- NVIDIA® GeForce RTX™ 2060 Discrete Graphics w/ 6 GB GDDR6

### Storage Capabilities

- M.2 22x80/110 PCIe x4 Gen3 NVMe for PCIe x4 Gen3 NVMe or SATA3 SSDs
- M.2 22x80 key M slots for PCIe x4 Gen3 NVMe or SATA3 SSDs
- Intel® Optane™ Memory M10 and H10 ready
- SDXC slot with UHS-II support

### System Memory

- Two DDR4 SODIMM sockets (Dual channel DDR4-3200 SODIMMs, 1.2V, 64 GB max)

### Connectivity

- HDMI 2.0b port
- Mini DisplayPort 1.4 port
- Front and rear Thunderbolt™ 4 ports (Intel Iris X<sup>e</sup> Graphics) with 5V/9V fast phone charging profiles
- Intel® Wireless-AX 201, IEEE 802.11ax 2x2/ Wi-Fi 6 + Bluetooth® 5, with internal antennas
- Six USB 3.2 Gen2 ports
- Intel® 2.5Gb (i225-LM) Ethernet port
- SDXC slot with UHS-II support

### System BIOS

- 256 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V5.0b, SMBIOS2.5
- Intel® BIOS
- Intel® Express BIOS update support

### Hardware Management Features

- Voltage and temperature sensing
- ACPI-compliant power management control

### Expansion Capabilities

- Two internal USB 2.0 headers

### Audio

- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5 mm front stereo headset jack
- 3.5 mm rear speaker/TOSLINK combo jack
- Beam-forming, far-field, quad-mic array, with Alexa support
- Front Consumer Infrared port

### Operating System Compatibility

- Windows 11
- Windows 10
- Various Linux distros

### Chassis Features and Size

- Plastic with metal inner frame, replaceable lid, Kensington lock with base security
- RGB-backlit top lid skull logo, with user-replaceable mask
- Vertical stand included
- 8.70" x 5.59" x 1.65"
- 221 mm x 142 mm x 42 mm

### Power Requirements

- 19VDC 230W power supply with geo-specific C13 AC cords

### Environment Operating Temperature

- 0 C to +35 C

### Storage Temperature

- 20 C to +60 C

### Safety Regulations and Standards

- IEC/EN/UL 60950-1
- IEC/EN/UL 62368-1

### EMC/RF Regulations and Standards

- FCC Part 15B/15C/15E
- CISPR/EN 55032/55024
- ICES-003
- VCCI 32
- BSMICNS 13438
- KN 32/35
- AS/NZS CISPR 32
- EN 300 328

- EN 301 893
- EN 300 440
- EN 301 489-1/3/17
- EN 62311
- AS/NZS 4268
- AS/NZS 2772.2
- ARPANSA

### Environmental Regulations

- EU RoHS
- China RoHS
- Taiwan BSMI RoHS
- REACH

### Energy Efficiency Regulations for Mini PCs

- US Energy Star and CEC
- EU ErP Directive
- China CEL
- South Korea E-standby
- Australia GEMS
- Israel Energy Source
- Japan Energy Saving Act  
2022年度基準: 15区分, 54.7kWh/年

Level up your gaming  
[www.intel.com/NUC](http://www.intel.com/NUC)

Intel products are not intended for use in medical, life-saving, or life-sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

All products, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice. Availability in different channels may vary.

Actual Intel® NUC kit may differ from the image shown.

1. Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. The Windows 11 upgrade will be delivered to qualifying devices late 2021 into 2022. Timing will vary by device. Certain features require specific hardware (see aka.ms/windows11-spec).

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT, OR OTHER INTELLECTUAL PROPERTY RIGHT.

Copyright 2021 © Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others. 1021/BCP/HBD/PDF 345029-005US

intel®  
nuc