

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

Connect up to
4 monitors

Ideal for
Gaming
Streaming
Content creation



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.



Built with Intel® Core™ i7 processors

Intel® NUC 11 Enthusiast Mini PC and Kit



	Mini PC	Kit
	NUC11PHKi7CAA	NUC11PHKi7C
Processor	11th Generation Intel® Core™ i7-1165G7 2.8 GHz – 4.7 GHz Turbo, 4 core, 8 thread 12MB Cache, 28W Intel® Iris® Xe 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 3.1 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	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^e 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^e 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 3.1 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
- 3.5mm front stereo headset jack
- 3.5mm rear speaker/TOSLINK combo jack
- Beam-forming, far-field, quad-mic array, with Alexa support
- Front Consumer Infrared port

Operating System Compatibility

- 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
- BSMI CNS 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

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.

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. 0421/BCP/HBD/PDF 345029-003US

intel®
nuc