

INTEL® NUC 10 PERFORMANCE KITS



Additional Technical Specifications

Processors

NUC10i7FN

- Intel® Core™ i7-10710U (1.1 GHz – 4.7 GHz Turbo, 6 core, 12 thread, 12 MB Cache, 25W)

NUC10i5FN

- Intel® Core™ i5-10210U (1.6 GHz – 4.2 GHz Turbo, 4 core, 8 thread, 6 MB Cache, 25W)

NUC10i3FN

- Intel® Core™ i3-10110U (2.1 GHz – 4.1 GHz Turbo, 2 core, 4 thread, 4 MB Cache, 25W)

Storage Capabilities

NUC10i7FNKN, NUC10i5FNKN, & NUC10i3FNKN

- M.2 22x42/80 key M slot for PCIe x4 Gen3 NVMe/AHCI or SATA3 SSD
- Full-size SDXC UHS-II slot

NUC10i7FNHN, NUC10i5FNHN, & NUC10i3FNHN

- M.2 22x42/80 key M slot for PCIe x4 Gen3 NVMe/AHCI or SATA3 SSD
- SATA3 SSD, 2.5" 7mm SATA3 bay and port
- Full-size SDXC UHS-II slot

System Memory

- Two DDR4 SODIMM sockets (Dual channel DDR4-2666 SODIMMs, 1.2V, 64 GB max)

Connectivity

- HDMI 2.0a port
- Thunderbolt™ 3 port
- Intel® WiFi 6 AX200 2x2
- Bluetooth v5

- Front: USB 3.1 Gen2 Type-C port with 5V/9V fast phone charging profile
- Front: USB 3.1 Gen2 Type-A port
- Back: Two USB 3.1 Gen2 ports
- Intel® i219-V 10/100/1000 Mbps Ethernet

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

- 2x internal USB 2.0 headers

Audio

- Up to 7.1 multichannel digital audio via HDMI or Thunderbolt 3

Chassis Size

Tall "H" Chassis

- 4.60" x 4.40" x 2.00"

- 117 mm x 112 mm x 51 mm

Slim "K" Chassis

- 4.60" x 4.40" x 1.50"

- 117 mm x 112 mm x 38 mm

Power Requirements

- 19Vdc 120W (NUC10i7FN models only), or 90W power supply, with geo-specific AC cords

Environment Operating Temperature

- 0° C to +35 C

Storage Temperature

- 20° C to +40° 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 MEPS
- Japan Energy Saving Act
2022年度基準: 15区分, 36.0kWh/年

The Power of Small
www.intel.com/NUC

¹ Over 2X Better Performance Vs. 5yo Laptop as measured by SYSmark® 2018 Overall Score. Intel Preproduction Processor; Intel® Core™ i7-10710U processor (CML-U 6+2) PL1=25W, 6C12T, Turbo up to 4.7GHz, Memory: 2x16GB DDR4-2667 2Rx8, Storage: Intel® 760p M.2 PCIe® NVMe® SSD with AHCI Microsoft driver*, Display Resolution: 3840x2160 eDP Panel 12.5", OS: Windows® 10 19H1-18362.ent.rx64-Appx59, Power policy set to AC/Balanced mode for all benchmarks except SYSmark® 2014 SE which is measured in AC/BAPCo mode for Performance. Power policy set to DC/Balanced mode for power. All benchmarks run in Admin mode & Tamper Protection Disabled / Defender Disabled, Graphics driver: PROD-HC-RELEASES-GFX-DRIVER-CI-MASTER-2334-REVENUE-PR-1006952-WHQL vs Processor: Intel® Core™ i7-5550U processor CPU @ 2.00GHz PL1=15W, Memory: 2 x 8 GB DDR3-1600, Storage: INTEL 545s 512GB SSDSC2KW512G8, Display Resolution: 1920 x 1080, OS: Microsoft Windows® 10 Enterprise 44.18362.1.0. Power policy set to AC/Balanced mode for all benchmarks except SYSmark® 2014 SE which is measured in AC/BAPCo mode for Performance. Power policy set to DC/Balanced mode for power with UX Slider set to Better Performance. All benchmarks run in Admin mode & Tamper Protection Disabled / Defender Disabled, Graphics driver: 20.19.15.5058.

² Nearly 3x Wireless Speeds: 802.11ax 2x2 160MHz enables 2402Mbps maximum theoretical data rates, ~3X (2.8X) faster than standard 802.11ac 2x2 80MHz (867Mbps) as documented in IEEE 802.11 wireless standard specifications and require the use of similarly configured 802.11ax wireless network routers.

³ 8X more bandwidth with Thunderbolt 3™ than USB 3.0: Data transfer rates, different from total available bandwidth for data and display traffic, depend on system configuration. 8X improvement over USB 3.0 refers to total available bandwidth for data and display, not data transfer rates. Data transfer rates depend on system configuration.

⁴ USB-C to dual mini DisplayPort splitter required.

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

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CREATE. CONSUME. REPEAT.

Featuring the power of 10th generation Intel® Core™ processors, the Intel® NUC 10 Performance has the power to create content as well as consume it. Record and mix music, add animation effects to your video edits, or over-binge your favorite shows in stunning ultra high-def 4K. Whatever it is, this Intel NUC brings full-size PC performance at a size small enough to fit in the palm of your hand.

Available with a choice of hard drive configurations to meet your speed and storage needs, the NUC 10 Performance has the ports to connect every last peripheral and keep your data moving at top speed. And with triple display support, you can multitask across multiple screens and give your brilliance room to spread out.

**Intel® NUC 10 Performance:
A Workhorse for a Range of Needs**

2X BETTER OVERALL PERFORMANCE¹

3X FASTER
WIRELESS
SPEEDS²

8X MORE
BANDWIDTH WITH
THUNDERBOLT 3³

FEATURES

- 10th generation Intel® Core™ processors
- HDMI 2.0
- Thunderbolt™ 3
- Support for three 4K displays⁴
- Four USB 3.1 ports
- Intel® WiFi 6
- Bluetooth
- Intel® Gigabit LAN
- SDXC slot with UHS-II support
- 3-year limited warranty

USAGES

- Home theater
- Home office productivity
- Casual gaming

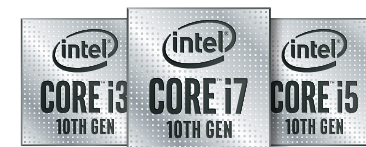
AVAILABLE SKUs

- Intel® NUC Kit



INTEL® NUC 10 PERFORMANCE KITS

Built with 10th generation Intel® Core™ processors



	Intel® Core™ i7 Processor		Intel® Core™ i5 Processor		Intel® Core™ i3 Processor	
	NUC10i7FNHN	NUC10i7FNKN	NUC10i5FNHN	NUC10i5FNKN	NUC10i3FNHN	NUC10i3FNKN
Processor	10th Generation Intel® Core™ i7-10710U Processor 1.1 GHz – 4.7 GHz Turbo, 6 core, 12 thread, 1 2 MB Cache, 25W		10th Generation Intel® Core™ i5-10210U Processor 1.6 GHz – 4.2 GHz Turbo, 4 core, 8 thread, 6 MB Cache, 25W		10th Generation Intel® Core™ i3-10110U Processor 2.1 GHz – 4.1 GHz Turbo, 2 core, 4 thread, 4 MB Cache, 25W	
Graphics	Intel® UHD Graphics, 300 MHz – 1.15 GHz		Intel® UHD Graphics, 300 MHz – 1.1 GHz		Intel® UHD Graphics, 300 MHz – 1.0 GHz	
Memory	Dual-channel DDR4 SODIMM slots					
Storage	M.2 22x42/80 slot, 2.5" 7mm SATA drive bay	M.2 22x42/80 slot	M.2 22x42/80 slot, 2.5" 7mm SATA drive bay	M.2 22x42/80 slot	M.2 22x42/80 slot, 2.5" 7mm SATA drive bay	M.2 22x42/80 slot
Other Features & Technology	HDMI 2.0a, Thunderbolt™ 3, Front USB 3.1 Gen2 Type-C Port (fast charging), 2 USB 3.1 Gen2 Ports, Intel® WiFi 6 and Bluetooth v5, Intel® Gigabit LAN, SDXC Card Slot, Consumer Infrared Sensor, Kensington Lock Ready, 3-Year Limited Warranty					
Geo-Specific Power Cord	US, EU, UK, or No Cord Option	US, EU	US, EU, AU, IN, CN, or No Cord Option	US, EU, or No Cord Option	US, EU, UK, IN, or No Cord Option	US, EU, or No Cord Option
Operating System	Not Included					
What's Needed	Memory, Storage, Operating System See page 4 for details					



Intel® NUC 10 Performance

UNLEASH YOUR INNER CREATOR.

Experience the new size of powerful.

