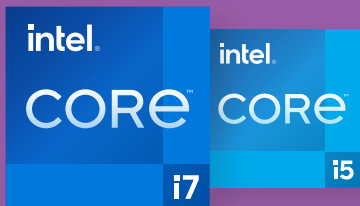intel® nuc

Intel® NUC 13 Pro Desk Edition

Small Size, Big Impact: The Mini PC Meant to Be Seen

Performance meets style with these attractive, ultra-small mini PCs powered by 13th Gen Intel® Core™ processors

intel CORE i7

intel CORE i5

Mini PC. Max Style.

Intel® NUC 13 Pro Desk Edition Mini PCs and Kits are built to perform and meant to be seen, with a new design that brings modern style to any home or office setting. The compact systems feature a sophisticated silver aluminum chassis with honeycomb vents and a textured white top with printed Intel® NUC logo for proud display on desks and shelves.

The eye-catching, ultra-small systems power everything from home theater experiences to business workloads with 12-core 13th Gen Intel® Core™ i7/i5 processors delivering up to 5.0GHz Turbo frequency. For collaboration and comfort in any room, every unit offers whisper-quiet operation at just 32 dBA, lightning-fast wireless speeds with Intel® Wi-Fi 6E (Gig+), and the flexibility to connect up to four extended displays with dual HDMI 2.1 and Thunderbolt™ 4 ports.[1] The premium, trim-profile 120W power supply is 38 percent smaller than previous versions, to help maintain the small footprint.[2]
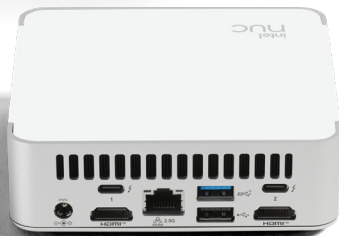
Whether streaming in 8K or multitasking with large media files, Intel NUC 13 Pro Desk Edition Mini PCs and Kits answer the call with a unique combination of stylish design, business-class performance, fast and flexible connectivity, and Intel quality and reliability—all backed by a three-year warranty.

Performance

Featuring the advanced hybrid architecture of 13th Gen Intel® Core™ i7/i5 processors

Design and quality

Sleek and modern design with new aluminum chassis tested at 32 dBA for whisper-quiet operation

Collaboration

The latest in wired and wireless connectivity, plus AI features including noise cancellation, lighting correction, and background blur

Features

- New design with aluminum chassis and white textured top with printed Intel® NUC logo
- 13th Gen Intel® Core™ i7/i5 processors (4P+8E)
- Up to 64GB dual-channel DDR4-3200 memory
- Up to 18MB Intel® Smart Cache
- Intel® Iris®X^e graphics
- Windows 11 Pro or Home (mini PC); compatibility with Windows 11 Pro or Home, Windows 10, and various Linux distros (kit)
- 512GB SSD (mini PC); M.2 22x80 key M and 22x42 key B slots (kit)
- Intel® Wi-Fi 6E (Gig+)
- 2 Thunderbolt™ 4 ports, 3 USB 3.2 ports, 1 USB 2.0 port, 2 HDMI 2.1 ports
- Intel® i226 Ethernet for speeds up to 2.5 Gbps
- Delayed AC start, auto CMOS reset, DC transient voltage suppression
- Intel three-year warranty and qualified for 24x7 operation

Ideal for

Office productivity

Powerful performance for business computing

Home theater

High-definition streaming with 4K and 8K HDR capabilities

Home office

Compact and attractive, with whisper-quiet operation

Versatility

Connect up to four 4K displays

Reliability

Qualified for 24/7 operation

Design

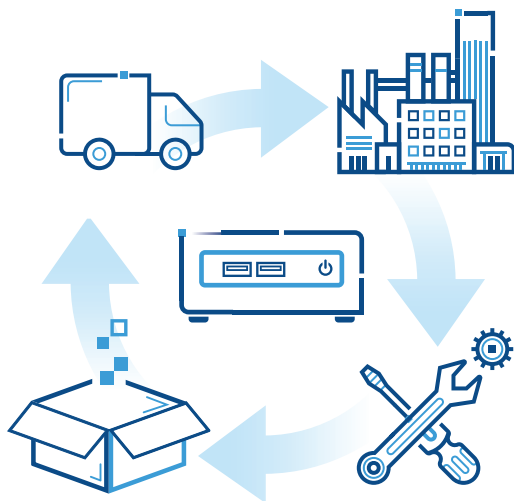Laser-printed Intel® NUC printed on top, celebrating 10 years of Intel NUC innovation.

1 When/if regulations make it available in your country.
2 When compared to power supplies with other Intel® NUC systems

An Eco-Friendly Foundation

Sustainability is a core value for Intel, and upgradable, repairable, and reusable Intel® NUC products are leading the way.

Reimagining sustainable computing

Sustainability is built into every stage of the Intel NUC product life cycle—including product design, manufacturing, packaging, customer use, and returns.

Sustainable design and build

Many Intel NUC products are made from recycled plastics and built with low-temperature solder for approximately 25 percent energy savings

Sustainable shipping

Compared to larger PCs, the small size of Intel NUC products saves big on shipping, warehousing, and cooling costs.

Sustainable packaging

The latest Intel NUC product packaging—including box, liners, and paperwork—is recyclable or reusable in secondary markets.

Sustainable returns

When an Intel NUC product is returned, every attempt is made to recycle it, repurpose it, or repair it as part of the Return Material Authorization (RMA) Program.

Intel NUC Sustainability Achievements

99.5%

of all Intel NUC returned material (by weight) was kept out of landfills in 2021.[3]

95%

of all Intel NUC packaging was designed to be recyclable or reusable in 2021.

100% of Intel® NUC products qualify for Energy Star [4]

Learn more: intel.com/NUCsustainability

4 "ENERGY STAR" denotes a system level energy specification, defined by the U.S. Environmental Protection Agency, that relies upon all of the system's components, including processor,chipset, power supply, HDD, graphics controller and memory to meet the specification. For more information, see www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=CO."

Built with 13th Generation Intel® Core™ i7 processors
Intel® NUC 13 Pro Desk Edition

Name	Intel® NUC 13 Pro Kit				Intel® NUC 13 Pro Mini PC			
SKU	RNUC13VYKi7 000U	RNUC13VYKi7 0001	RNUC13VYKi7 0002	RNUC13VYKi7 0006	RNUC13VYKi7 0WCU	RNUC13VYKi7 0WC1	RNUC13VYKi7 0WC2	RNUC13VYKi7 0WA6
Form Factor	Slim							
Processor	Intel® Core™ i7-1360P processor Intel® Iris® Xᵉ graphics 12 processor cores (4P+8E), 16 threads, 18MB Intel® Smart Cache, 35W TDP P-cores: Up to 5.0 GHz Turbo, E-cores: Up to 3.70 GHz Turbo							
Graphics	Intel® Iris® Xᵉ graphics 96EU, 1.50 GHz							
Memory	Compatible with 2x DDR4-3200 SODIMMs (up to 64GB)				16GB memory (2x 8GB DDR4-3200 SODIMMs) included			
Storage	Compatible with M.2 22x80 key M slot for PCIe x4 Gen4 NVMe SSD, M.2 22x42 key B slot for PCIe x1 Gen3, USB 3.2 Gen2 and SATA SSD expandability				512GB included NVMe x4 Gen4			
Thunderbolt™ Technology	2x Thunderbolt™ 4 ports (incl. DisplayPort 2.1 and USB4) via backpanel type C connectors							
Other Technologies	Intel® i226V 10/100/1000/2500 Mbps RJ45 Ethernet port | 2x front and 1x rear USB 3.2 Gen 2 type A ports 1x rear type A and 2x internal USB 2.0 headers | 2x HDMI 2.1 TMDS Compatible (4K@60Hz), with built-in CEC per port 3.5mm front stereo headset jack | Up to 7.1 multichannel (or 8-channel) digital audio on HDMI and DP type C ports							
Wireless	Intel® Wi-Fi 6E (Gig+), Bluetooth 5.3							
AC Cord	US only	US (WW)	EU	CN	US only	US (WW)	EU	CN
OS	Compatible with Microsoft Windows 11 (logo'd), Windows 10 IoT Enterprise, compatible with various Linux distros				Windows 11 Pro Standard included			Windows 11 Home Std - single language
What's needed	Memory, Storage, and Operating System				-			

Built with 13th Generation Intel® Core™ i5 processors

Intel® NUC 13 Pro Desk Edition

Name	Intel® NUC 13 Pro Kit				Intel® NUC 13 Pro Mini PC			
SKU	RNUC13VYKi5 000U	RNUC13VYKi5 0001	RNUC13VYKi5 0002	RNUC13VYKi5 0006	RNUC13VYKi5 0WCU	RNUC13VYKi5 0WC1	RNUC13VYKi5 0WC2	RNUC13VYKi5 0WA6
Form Factor	Slim							
Processor	Intel® Core™ i5-1340P processor Intel® Iris® Xᵉ graphics 12 processor cores (4P+8E), 16 threads,12MB Intel® Smart Cache, 35W TDP P-cores: Up to 4.60 GHz Turbo, E-Cores: Up to 3.40 GHz Turbc							
Graphics	Intel® Iris® Xᵉ graphics 80EU, 1.45 GHz							
Memory	Compatible with 2x DDR4-3200 SODIMMs (up to 64GB)				16GB memory (2x 8GB DDR4-3200 SODIMMs) included			
Storage	Compatible with M.2 22x80 key M slot for PCIe x4 Gen4 NVMe SSD, M.2 22x42 key B slot for PCIe x1 Gen3, USB 3.2 Gen2 and SATA SSD expandability				512GB included NVMe x4 Gen4			
Thunderbolt™ Technology	2x Thunderbolt™ 4 ports (incl. DisplayPort 2.1 and USB4) via backpanel type C connectors							
Other Technologies	Intel® i226V 10/100/1000/2500 Mbps RJ45 Ethernet port | 2x front and 1x rear USB 3.2 Gen 2 type A ports 1x rear type A and 2x internal USB 2.0 headers | 2x HDMI 2.1 TMDS Compatible (4K@60Hz), with built-in CEC per port 3.5mm front stereo headset jack | Up to 7.1 multichannel (or 8-channel) digital audio on HDMI and DP type C ports							
Wireless	Intel® Wi-Fi 6E (Gig+), Bluetooth 5.3							
AC Cord	US only	US (WW)	EU	CN	US only	US (WW)	EU	CN
OS	Compatible with Microsoft Windows 11 (logo'd), Windows 10 IoT Enterprise, compatible with various Linux distros				Windows 11 Pro Standard included			Windows 11 Home Std - single language
What's needed	Memory, Storage, and Operating System				-			

Intel® NUC 13 Pro Desk Edition

Additional technical specifications
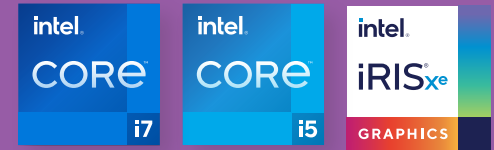
Processor
- Intel® Core™ i7-1360P processor Intel® Iris® Xe Graphics, 12 Processor Cores (6P+8E), 20 threads, 24MB Intel® Smart Cache, 35W TDP P-Cores: Up to 5.0 GHz Turbo, E-cores: Up to 3.70 GHz Turbo
- Intel® Core™ i5-1340P processor Intel® Iris® Xe Graphics, 12 processor cores (4P+8E), 16 threads, 12MB Intel® Smart Cache, 35W TDP P-cores: Up to 4.60 GHz Turbo, E-cores: Up to 3.40 GHz Turbo

Graphics
- For i7-1360P, Intel® Iris® Xe Graphics 96EU, 1.50 GHz
- For i5-1340P, Intel® Iris® Xe Graphics 80EU, 1.45 GHz

Storage Capabilities
- M.2 22x80 key M slot for PCIe x4 Gen4 NVMe SSD
- M.2 22x42 key B slot for PCIe x1 Gen3, USB 3.2 Gen2 and SATA SSD expandability

System Memory
- Dual-channel DDR4-3200 SODIMM slots, 1.2V, 64GB max

Connectivity
- Up to four 4K extended displays:
- 2x Thunderbolt™ 4 ports (incl. DisplayPort 2.1 and USB4) via back panel type C connectors
- 2x HDMI 2.1 TMDS Compatible (4K@60Hz), with built-in CEC per port
- 2x front and 1x rear USB 3.2 Gen2 type A ports
- All USB ports with individual USB power control
- Intel® i226 10/100/1000/2500 Mbps RJ45 Ethernet i226-V port
- Intel® Wi-Fi 6E AX211 on M.2 slot, supporting 802.11ax and Bluetooth® 5.3 w/internal antennas
- 3.5mm front stereo headset jack

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

Hardware Management Features
- TDP settings for Core i5/i7 CPUs down configurable to 20W
- Voltage and temperature sensing

Chassis Expansion and Robustness
- Metal Chassis
- Textured lid
- Kensington lock with base security

Product Dimensions
- "K" chassis: 117 x 112 x 37 mm

Available SKUs
- Mini PC
- Kits

Audio
- 3.5mm front stereo headset jack
- Up to 7.1 multichannel (or 8-channel) digital audio on HDMI and DP type C ports

Advanced Features
- Qualified for 24x7 operation
- Delayed AC start; Auto CMOS reset; DC transient voltage suppression
- Display emulation (headless display, virtual display, persistent displays) via HDMI ports

Operating System Compatibility
- Microsoft Windows* 11, Windows 10 IoT Enterprise, Windows 11 Home (logo'd)
- Compatible with various Linux distros

Power Requirements
- 12 – 20VDC ±5% DC input on rear jack, internal 2x2 power connector, with OVP/UVP
- Power supply adapter (120W/20VDC) with geo-specific AC cord (IEC C5)

Environment Operating Temperature
- 0 º C to +35 º C
- Up to 40 º C external ambient operating temperature tolerance

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

Safety Regulations and Standards
- IEC/EN 60950-1
- IEC/EN/UL 62368-1

EMC/RF Regulations and Standards
- FCC Part 15B/15C/15E
- CISPR/EN 55032/55024
- EN 300 328
- EN 301 893
- EN 300 440
- EN 301 489-1/3/17
- EN 62311

Environmental Regulations
- EU RoHS
- REACH

Energy Efficiency Regulations for Mini PCs
- US Energy Star and CEC
- EU ErP Directive