



INTEL® NUC 8 MAINSTREAM-G MINI PCS & KITS

Powerful performance and visually immersive graphics in a compact Mini PC

Built for casual gaming and home entertainment



THE POWER OF SMALL

Intel® NUC 8 Mainstream-G
Mini PCs and Kits



Intel NUC Mini PCs and Kits

Introducing the first Intel® NUC with **8th generation Intel® Core™ processors** and **Radeon® 540X discrete graphics** for all your gaming and entertainment needs. Play casual games, binge watch the latest series, or stream digital music like never before with a quad-core processor that delivers 2x faster performance.¹

Intel NUC Mini PCs

Choose an Intel NUC that's right for you – accelerate performance with **Intel® Optane™ memory** paired with a **high capacity HDD** to load the next game level up to 4.7x^{2,3} faster, or get efficient reliability with an **SSD** with no moving parts so bumps and drops won't damage your drive.

The Intel® NUC: who says small isn't powerful?

INTEL® NUC 8 MAINSTREAM-G MINI PCS AND KITS

Built with 8th generation Intel® Core™ i7 processors



	Mini PCs		Kit	China Specific	
	NUC8i7INHJA	NUC8i7INHPA	NUC8i7INHx	NUC8i7INHZ6	NUC8i7INHP6
Processor	8th Generation Intel® Core™ i7-8565U processor				
Graphics	AMD Radeon* 540X discrete graphics, 2 GB GDDR5 graphics memory				
Memory	8 GB Dual-channel LPDDR3-1866				
Storage	16 GB Intel® Optane™ Memory 1 TB SATA3 HDD	256 GB SSD	Not Included	128 GB SSD 1 TB SATA3 HDD	256 GB SSD
Other Features & Technology	HDMI* 2.0b and Mini DisplayPort* 1.2, 3 USB 3.1 Gen 2 Type-A ports, 1 USB 3.1 Gen 2 Type-C port, Intel® Gigabit Wi-Fi and Bluetooth* v5, Intel® Gigabit LAN, SDXC Card Slot, 3 Year Limited Warranty				
Geo-Specific Power Cord	US, EU, UK, AU	US, EU	Not Included	CN	
Operating System	Windows® 10 Home		Not Included		
What's Needed	—	—	22x42 or 22x80 M.2 SSD and/or 2.5" SATA HDD/SSD, Operating System, Power Cord	Operating System	



INTEL® NUC 8 MAINSTREAM-G MINI PCS AND KITS

Built with 8th generation Intel® Core™ i5 processors



	Mini PC		Kit	China Specific
	NUC8i5INHJA	NUC8i5INHPA	NUC8i5INHx	NUC8i5INHP6
Processor	8th Generation Intel® Core™ i5-8265U processor			
Graphics	AMD Radeon* 540X discrete graphics, 2 GB GDDR5 graphics memory			
Memory	8 GB Dual-channel LPDDR3-1866			
Storage	16 GB Intel® Optane™ Memory 1 TB SATA3 HDD	256 GB SSD	Not Included	256 GB SSD
Other Features & Technology	HDMI* 2.0b and Mini DisplayPort* 1.2, 3 USB 3.1 Gen 2 Type-A ports, 1 USB 3.1 Gen 2 Type-C port, Intel® Gigabit Wi-Fi and Bluetooth* v5, Intel® Gigabit LAN, SDXC Card Slot, 3 Year Limited Warranty			
Geo-Specific Power Cord	US, EU, UK, AU	US, EU	Not Included	CN
Operating System	Windows® 10 Home		Not Included	
What's Needed	—	—	22x42 or 22x80 M.2 SSD and/or 2.5" SATA HDD/SSD, Operating System, Power Cord	Operating System



INTEL® NUC MAINSTREAM-G MINI PCS AND KITS

Additional Technical Specifications

Peripheral Connectivity

- Intel® Gigabit LAN port
- Front: USB3.1 Gen 2 Type-A port, USB3.1 Gen 2 Type-C port
- Rear: two USB 3.1 Gen 2 Type-A ports
- Intel® Dual Band Wireless-AC 9560 (802.11ac), 2x2, up to 1.73 Gbps
- Bluetooth* v5

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 Consumer Electronics Control header

Audio

- Up to 7.1 surround audio via HDMI* or Mini DisplayPort
- Headphone/microphone jack on the front panel

Mechanical Chassis Size

- 4.60" x 4.40" x 2.01"
- 117 mm x 112 mm x 51 mm

Baseboard Power Requirements

- 19V, 90W power brick

Environment Operating Temperature

- 0° C to +40° 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

Look for Intel® NUC with Intel Inside® at www.intel.com/NUC

¹ As measured by SYSmark® 2014 SE (Second Edition) Overall: Intel® Core™ i5-8265U processor, PL1= 15W TDP, 4C8T, Turbo up to 3.9GHz, Graphics: Intel® UHD Graphics 620, Memory: 2x8GB DDR4-2400, Storage: Intel® 760p SSD, OS: Microsoft Windows® 10 RS4 Build 17134.112, BIOS: X150.B00.1807031951, MCU: 0x98. Intel® Core™ i5-4200U processor, PL1=15W TDP, 2C4T, Turbo up to 2.6GHz, Graphics: HD 4000, Memory: 4GB DDR3, Storage: 512GB 545S SSD, OS: Microsoft Windows® 10 Pro Build 10.0.17134.48, BIOS: HSWLPTU1.86C.0139.R01.1801190506.MCU: 0x23 WEBXPRT® 3 Up to 1.8X better web performance with an 8th Gen Intel® Core™ i5-8265U processor vs. 5YO. Benchmark results were obtained prior to implementation of recent software patches and firmware updates intended to address exploits referred to as "Spectre" and "Meltdown". Implementation of these updates may make these results inapplicable to your device or system.

² Performance results are based on testing as of June 2018 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure. Software and workloads used in performance tests may have been optimized for performance only on Intel® microprocessors. Performance tests, such as SYSmark® and MobileMark®, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit <http://www.intel.com/benchmarks>.

³ As measured by Game Level Load Workload comparing Intel® Core™ i7-8750H processor + 1 TB HDD + 32 GB Intel® Optane™ memory vs. Intel® Core™ i7-8750H processor + 1 TB HDD.

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

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