intel®
experience
what's inside™

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

intel CORE i7 8th Gen

intel CORE i5 8th Gen

RX 540X RADEON

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