intel nuc

Intel® NUC 11 Extreme Kits:

Legends Start Here

Game changer, space saver

intel CORE i9

intel CORE i7

Small footprint, massive performance

No more playing around. Small, powerful Intel® NUC 11 Extreme Kits are designed for domination with 11th Gen Intel® Core™ processors and support for full-size, dual-slot graphics cards. The highest-performing Intel® NUC yet is engineered to win with the latest components and faster connectivity for wired and wireless gaming.

Kits are available with an Intel® Core™ i9 or i7 processor to build out with graphics, memory, storage, and OS for optimum gameplay. Customizable RGB underglow lighting with a replaceable RGB front logo makes it the ultimate rig for making a statement, from dominating enemies to gaming in style. Plenty of I/O options, a big, highly efficient power supply, and a modular design allows massive storage for more games, lots of memory for increased responsiveness and higher frame rate in gameplay, and room to grow and upgrade with swappable components.

Intel® NUC 11 Extreme Kits may be tiny but deliver outsized performance. With capabilities typically found in towers, such as support for triple 4K monitors and built-in cooling—all packed into a mere 8 liters—the Intel NUC 11 Extreme kit is designed for immersive gaming experiences without dominating the deskspace. For performance, connectivity, and modularity, this kit is hard to beat.

Intel® NUC 11 Extreme: Engineered to Win

Features

- 11th Gen Intel® Core™ i9 or i7 processors
- Supports up to 12-inch/350W, dual-slot graphics cards with PCIe x16 Gen4 slot, 8-pin + 2x6+2-pin PCIe power connectors
- 8 liters-small (357 x 189 x120 mm)
- Supports DDR4-3200 SODIMMs, 64 GB max.
- Intel® Wi-Fi 6E plus Bluetooth®
- Intel® 2.5 Gbps i225-LM Ethernet
- 2X Thunderbolt™ 4 ports
- 6X USB 3.2 Gen2 (rear), 2X USB 3.1 Gen2 ports (front)
- 650W, 80+ Gold power supply
- Built-in triple 92 mm fans
- Supports 3X 4K displays
- 4X M.2 slots (2X Gen4, 2X Gen3)
- HDMI 2.0b
- Addressable RGB underglow lighting and replaceable RGB front logo

11th Gen Intel Core processors
for gaming and support for
full-size, dual-slot graphic cards
deliver powerful gaming experiences.

8 liters small,
but with capabilities found in gaming towers, this kit is **engineered to win.**

Modular, customizable,
and with tons of I/O to build it for today and **upgrade it later.**

Intel® NUC 11 Extreme Kit

	NUC11BTMi9	NUC11BTMi7
Processor*	**11th Generation Intel® Core™ i9-11900KB** 3.3 GHz – 5.0 GHz Turbo, 8 core, 16 thread, 24 MB Cache, 65 W	**11th Generation Intel® Core™ i7-11700B** 3.3 GHz – 4.9 GHz Turbo, 8 core, 16 thread, 20 MB Cache, 65 W
Graphics	Intel® UHD Graphics, 350 MHz – 1.45 GHz PCIe x16 Gen4 slot, up to 12" card length, dual-slot capable	
Memory	Dual-channel SODIMM slots DDR4-3200 64 GB max	
Storage	**Four M.2 key M slots:** 2280 CPU-attached PCIe X4 Gen4 NVMe, Two 2242/80 PCH-attached PCIe x4 Gen3 NVMe or SATA3 SSD, RAID-0 and RAID-1 capable, CPU-attached 42/80/110 PCIe X4 Gen4 Intel® Optane™ Memory M10, H10, H20 and Intel® Optane™ SSD ready	
Other Features & Technology	HDMI 2.0b port ▪ Two Thunderbolt™ 4 ports ▪ Intel® 2.5 GB Ethernet port ▪ Intel® Wi-Fi 6E AX210 and Bluetooth® 5.2 Eight USB 3.1 Gen2 ports ▪ SDXC slot with UHS-II support ▪ Supports up to three 4K displays All-around customizable RGB lighting with user-replaceable RGB-backlit front logo ▪ 3.5 mm front stereo headset jack Kensington lock ready ▪ 3-Year limited warranty	
Geo-Specific Power Cord	US, EU, UK, AU, CN, or No Cord Option	
Operating System	Not Included	
What's Needed	Memory, Storage, Operating System	

*Processor is pre-installed on
Intel® NUC Extreme 11 Compute Element

Intel® NUC 11 Extreme Kit

Additional Technical Specifications

Processors

- **11th Generation Intel® Core™ i9-11900KB** (3.3 GHz – 5.0 GHz Turbo, 8 core, 16 thread, 24MB Cache, 65W) Intel® UHD Graphics, 350 MHz – 1.45 GHz
- **11th Generation Intel® Core™ i7-11700B** (3.3 GHz – 4.9 GHz Turbo, 8 core, 16 thread, 20MB Cache, 65W) Intel® UHD Graphics, 350 MHz – 1.45 GHz

Storage Capabilities

- M.2 key M slot: 2280 CPU-attached PCIe X4 Gen4 NVMe
- M.2 key M slots: Two 2242/80 PCH-attached PCIe x4 Gen3 NVMe or SATA3 SSD, RAID-0 and RAID-1 capable
- PCIe X16 Gen4 slot with 8 pin & 2x6+2-pin PCIe power connectors, up to 350W, up to 12" card length, dual-slot capable
- PCIe X4 Gen4 slot
- CPU-attached M.2 slot 42/80/110 PCIe X4 Gen 4, Intel® Optane™ SSD ready
- Intel® Optane™ SSD and Intel® Optane™ Memory M10, H10, and H20 ready
- SDXC slot with UHS-II support

System Memory

- Dual channel DDR4-3200 SODIMMs, 1.2V, 64 GB max

Connectivity

- HDMI 2.0b port
- Two Thunderbolt™ 4 ports
- Intel® Wi-Fi 6E AX210 x 2.4 Gbps + Bluetooth 5.2, dual internal antennas
- Six USB 3.1 Gen2 Type-A ports (rear)
- Two USB 3.1 Gen2 Type-A ports (front)
- Intel® 2.5 Gb (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 3.1 headers
- Two internal USB 2.0 headers

Audio

- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5 mm front stereo headset jack

Operating System Compatibility

- Windows® 10
- Various Linux distros

Chassis Features and Size

- Plastic with metal inner frame, Kensington lock with panel security
- All-around customizable RGB lighting with user-replaceable RGB-backlit front logo
- 14.06" x 7.44" x 4.72"
- 357 mm x 189 mm x 120 mm (~8L)

Power Requirements

- 650W 80+ Gold internal 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

Gaming Happens With Intel
www.intel.com/NUC