

ASUS NUC 14 Essential

Efficient Performance. Smart Saving.



Featuring the latest Intel N-series processors, the ASUS NUC 14 Essential offers an unbeatable blend of quality, security, and reliability. This compact Mini PC, designed for total cost efficiency, integrates advanced technologies such as Intel® Wi-Fi 6E support and Bluetooth® 5.3, ensuring seamless connectivity and enhanced wireless performance. With memory capabilities of up to DDR5 4800 via a single SO-DIMM slot, it delivers impressive performance for business clients and edge computing. Whether for office productivity, embedded applications, digital signage, or interactive media, the ASUS NUC 14 Essential excels in providing exceptional value and versatility across a wide range of applications.

Key Selling Points

Energy-efficient : Ideal for lightweight office productivity and embedded applications.

Multiple tasks : Enhancing efficiency for office work.

Easy access design : Ease of upgrades, lower maintenance costs and reduced downtime.

Multiple high speed connection options : Improving productivity by faster and more stable data transfer.

Abundant I/O : High flexibility to meet various workflow and scenario.

Compact size : Easy to deploy for small offices, retail settings, educational institutions.

Audience:

- Small & Midsize Business
- Retail and Service Industry
- Educational Institutions
- Small Office & Home Office

Target Usages:

- Office Productivity
- Digital Signage
- Embedded Applications
- Interactive Media
- Kiosks and POS Systems

ASUS NUC 14 Essential

Mini-PC Specifications



Image A

Marketing Name	NUC 14 Essential Mini-PC
Project Code	NUC14MNX
Photo	Image A
ASUS Logo	Yes
ASUS NUC Logo	Yes
Color	Black
OS Support	Windows 11 64-bit
CPU	Intel® Processor N150, TDP 6W Intel® Processor N250, TDP 6W Intel® Processor Core™ 3 N355, TDP 15W Intel® Processor N97, TDP 12W
Chipset	Integrated
Graphics	Intel® UHD Graphics (N97) Intel® Graphics (N150, N250, N355)
Memory	1 x SO-DIMM, Up to DDR5-4800, 16GB*1
Storage	1 x M.2 2280/2242 PCIe Gen3x4, supports 128GB~2TB NVMe or SATA SSD
Wireless Network	Intel® Wi-Fi 6E AX211 (Gig+), Bluetooth® 5.3
LAN	1 x Realtek Ethernet Controller RTL8125BG-CG, 2.5G
Audio	Realtek ALC3251
TPM	fTPM or TPM 2.0 chip
Card Reader	None
HDMI CEC	Yes
Front I/O Ports	1 x USB 3.2 Gen2 Type-C 2 x USB 3.2 Gen2 Type-A 1 x 3.5mm Headset Jack
Back I/O Ports	1 x USB 3.2 Gen2 Type-C w/ DisplayPort 1.4 2 x USB 3.2 Gen 2 Type-A 1 x USB 2.0 Type-A 1 x HDMI 2.1 (TMDS) 1 x DisplayPort 1.4 1 x RJ45 LAN 1 x DC-in
Side I/O Ports	1 x Kensington Lock
Power Supply	19VDC, 3.42A, 65W Power Adapter
Operating Temp	0 to 35C
Storage Temp	-40 to 60C
Humidity	0%-92% non-condensing ¹
Dimensions (W x D x H)	135mm x 115mm x 36mm
Weights	480g (0.48kg)
Accessories	AC Adapter + Power Cord ² VESA Bracket and Screws Safety/Caution/Regulatory Insert Warranty Card

⁽¹⁾ Humidity Info detail please check link: [Non-condensing humidity as defined by temperature vs dew point.](#)

⁽²⁾ Power cord included is region specific, and some SKUs do not include the power cord

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Kit Specifications



Image B

Marketing Name	NUC 14 Essential Kit
Project Code	NUC14MNK-B
Photo	Image B
ASUS Logo	No
ASUS NUC Logo	No
Color	Black
OS Support	Windows 11 64-bit Ubuntu 24.04 LTS 64-bit RedHat Enterprise Linux 64-bit
CPU	Intel® Processor N150, TDP 6W Intel® Processor N250, TDP 6W Intel® Processor Core™ 3 N355, TDP 15W Intel® Processor N97, TDP 12W
Chipset	Integrated
Graphics	Intel® UHD Graphics (N97) Intel® Graphics (N150, N250, N355)
Memory	1 x SO-DIMM, Up to DDR5-4800, 16GB*1
Storage	1 x M.2 2280/2242 PCIe Gen3x4, supports 128GB~2TB NVMe or SATA SSD
Wireless Network	Intel® Wi-Fi 6E AX211 (Gig+), Bluetooth® 5.3
LAN	1 x Realtek Ethernet Controller RTL8125BG-CG, 2.5G
Audio	Realtek ALC3251
TPM	fTPM or TPM 2.0 chip
Card Reader	None
HDMI CEC	Yes
Front I/O Ports	1 x USB 3.2 Gen2 Type-C 2 x USB 3.2 Gen2 Type-A 1 x 3.5mm Headset Jack
Back I/O Ports	1 x USB 3.2 Gen2 Type-C w/ DisplayPort 1.4 2 x USB 3.2 Gen 2 Type-A 1 x USB 2.0 Type-A 1 x HDMI 2.1 (TMDS) 1 x DisplayPort 1.4 1 x RJ45 LAN 1 x DC-in
Side I/O Ports	1 x Kensington Lock
Power Supply	19VDC, 3.42A, 65W Power Adapter
Operating Temp	0 to 35C
Storage Temp	-40 to 60C
Humidity	0%-92% non-condensing ¹
Dimensions (W x D x H)	135mm x 115mm x 36mm
Weights	470g (0.47kg)
Accessories	AC Adapter + Power Cord ² VESA Bracket and Screws Safety/Caution/Regulatory Insert Warranty Card

⁽¹⁾ Power cord included is region specific, and some SKUs do not include the power cord

⁽²⁾ Humidity Info detail please check link: [Non-condensing humidity as defined by temperature vs dew point.](#)

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Board Specifications



Image C

Marketing Name	NUC 14 Essential Board
Project Code	NUC14MNB
Photo	Image C
ASUS Logo	N/A
ASUS NUC Logo	N/A
Color	N/A
OS Support	Windows 11 64-bit Ubuntu 24.04 LTS 64-bit RedHat Enterprise Linux 64-bit
CPU	Intel® Processor N150, TDP 6W Intel® Processor N250, TDP 6W Intel® Processor Core™ 3 N355, TDP 15W Intel® Processor N97, TDP 12W
Chipset	Integrated
Graphics	Intel® UHD Graphics (N97) Intel® Graphics (N150, N250, N355)
Memory	1 x SO-DIMM, Up to DDR5-4800, 16GB*1
Storage	1 x M.2 2280/2242 PCIe Gen3x4, supports 128GB~2TB NVMe or SATA SSD
Wireless Network	None
LAN	1 x Realtek Ethernet Controller RTL8125BG-CG, 2.5G
Audio	Realtek ALC3251
TPM	fTPM or TPM 2.0 chip
Card Reader	None
HDMI CEC	Yes
Front I/O Ports	1 x USB 3.2 Gen2 Type-C 2 x USB 3.2 Gen2 Type-A 1 x 3.5mm Headset Jack
Back I/O Ports	1 x USB 3.2 Gen2 Type-C w/ DisplayPort 1.4 2 x USB 3.2 Gen 2 Type-A 1 x USB 2.0 Type-A 1 x HDMI 2.1 (TMDS) 1 x DisplayPort 1.4 1 x RJ45 LAN 1 x DC-in
Side I/O Ports	None
Power Supply	19VDC, 3.42A, 65W Power Adapter
Operating Temp	0 to 35C
Storage Temp	-40 to 60C
Humidity	0%-92% non-condensing ¹
Dimensions (W x D x H)	121.6mm x 108mm x 24.64mm
Weights	182.4g (0.18kg)
Accessories	Warranty Card Safety/Caution/Regulatory Insert

⁽¹⁾ Humidity Info detail please check link: [Non-condensing humidity as defined by temperature vs dew point.](#)

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Connections

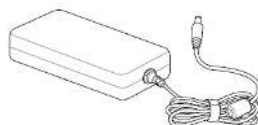


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|---------------------------|----------------------------------|---|
| 1 1x Power Button | 5 1x USB 2.0 Gen 2, Type-A | 9 1x HDMI@ 2.1 (TMDS) |
| 2 1x USB 3.2 Gen2, Type-C | 6 1x Intel® 2.5 Gb Ethernet Port | 10 1x Power Input |
| 3 2x USB 3.2 Gen2 Type-A | 7 2x USB 3.2 Gen2 Type-A | 11 1x USB 3.2 Gen2, Type-C With DisplayPort |
| 4 1x Headset jack | 8 1x DP 1.4a port | 12 1x Kensington Lock (Side Port) |

What's in the box



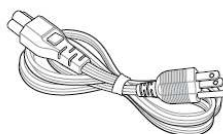
NUC 14 Essential



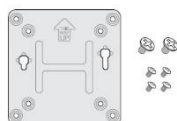
Power Adapter
19VDC 65W power supply



Inserts



Power Cord*
* Refer to SKU listings for available product configurations and cord options



VESA bracket and screws

NOTE:

- The most up-to-date and accurate product specifications are available on www.asus.com for download.
- Product and accessory images are for illustrative purposes only. The actual appearance and specifications may vary depending on the model.
- *The bundled power adapter may vary depending on the model and the country (or region) of sale.
- Some bundled accessories may vary depending on the model. For details on these accessories, refer to their respective user manuals.
- If the device or its components fail or malfunction during normal and proper use within the warranty period, bring the warranty card to the ASUS Service Center for replacement of the defective components.