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

Specifications, content, and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on the application, usage, environment, and other factors. Full specifications are available at http://www.asus.com

ASUS NUC 14 Essential

Mini-PC Specifications



Image A

Marketing Name	NUC 14 Essential Mini-PC
Project Code	NUC14MNK
Photo	Image A
ASUS Logo	Yes
ASUS NUC Logo	Yes
Color	Black
OS Support	Windows 11 Home 64-bit Windows 11 Pro 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	Power Adapter Meets DOE Level VI, efficiency >=88% 19VDC, 3.42A, 65W Power Adapter
Operating Temp	0 to 35°C
Storage Temp	-40 to 60°C
Humidity	0%-92% non-condensing[1]
Product Dimensions (W x D x H)	135mm x 115mm x 36mm
Product Weights	480g (0.48kg)
Color Box Dimension (W x D x H)	199 x 171 x 104mm
Packaged Weight	1.19kg
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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ASUS NUC 14 Essential

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	Supports Windows 11 Home 64-bit Windows 11 Pro 64-bit Windows 11 IoT Engerprise 64-bit Ubuntu 24.04 LTS 64-bit RedHat Enterprise Linux 64-bit *No OS installed at shipment
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	Power Adapter Meets DOE Level VI, efficiency >=88% 19VDC, 3.42A, 65W Power Adapter
Operating Temp	0 to 35°C
Storage Temp	-40 to 60°C
Humidity	0%-92% non-condensing[1]
Product Dimensions (W x D x H)	135mm x 115mm x 36mm
Product Weights	470g (0.47kg)
Color Box Dimensions (W x D x H)	199 x 171 x 104mm
Packaged Weight	1.19kg
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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IN SEARCH OF INCREDIBLE

ASUS NUC

ASUS NUC 14 Essential

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	Supports Windows 11 Home 64-bit Windows 11 Pro 64-bit Windows 11 IoT Engerprise 64-bit Ubuntu 24.04 LTS 64-bit RedHat Enterprise Linux 64-bit *No OS installed at shipment
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	Not Included
Operating Temp	0 to 35°C
Storage Temp	-40 to 60°C
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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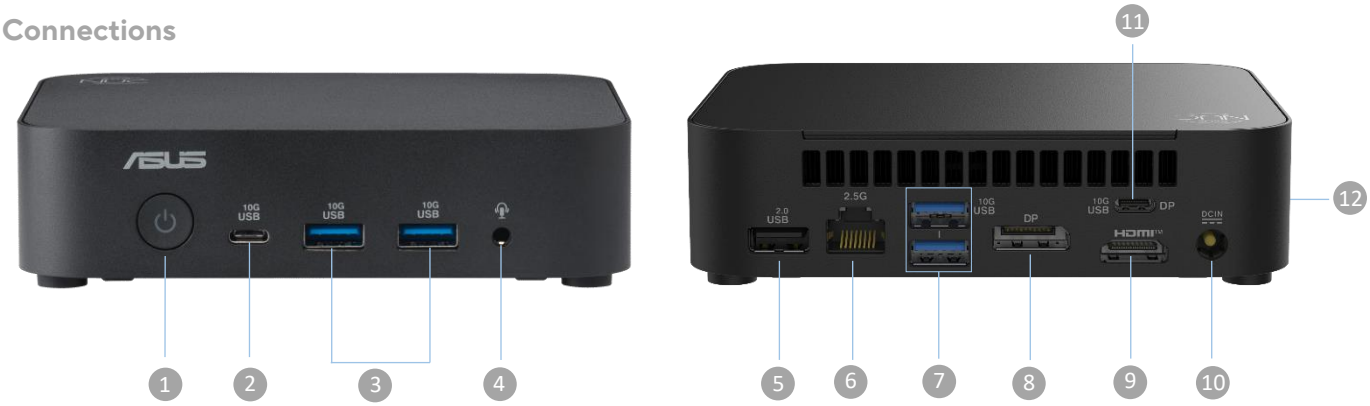
Connections

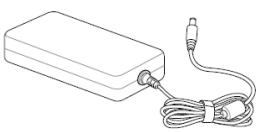


1. 1 x Power Button
2. 1 x USB 3.2 Gen2, Type-C
3. 2 x USB 3.2 Gen2 Type-A
4. 1 x Headset jack
5. 1 x USB 2.0 Gen 2, Type-A
6. 1 x Intel® 2.5 Gb Ethernet Port
7. 2 x USB 3.2 Gen2 Type-A
8. 1 x DP 1.4a port
9. 1 x HDMI® 2.1 (TMDS)
10. 1 x Power Input
11. 1 x USB 3.2 Gen2, Type-C With DisplayPort
12. 1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

What' s in the box



NUC 14 Essential

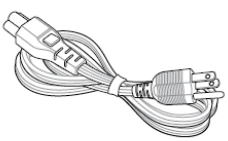


Power Adapter

19VDC 65W power supply

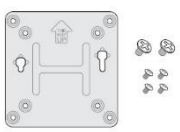


Inserts



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.

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