

ASUS NUC 14 Essential

Efficient Performance. Smart Saving.



Featuring the latest Intel N-series processors, the ASUS NUC 14 Essential & Fanless offer 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 & Fanless excel 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.

***Fanless design**: Enables silent operation, enhances long-term reliability, and reduces maintenance requirements

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

* Refer to fanless SKU from 2026

ASUS NUC 14 Essential

Mini-PC Specifications



Image A



Image B

Marketing Name	NUC 14 Essential	NUC 14 Essential Fanless
Project Code	NUC14MNK	NUC14MLK
Photo	Image A	Image B
ASUS Logo	Yes	Yes
ASUS NUC Logo	Yes	Yes
Color	Black	Black
OS Support	Windows 11 Pro/Home 64-bit	Windows 11 Pro/Home 64-bit
CPU	Intel® Processor N100, TDP 6W	Intel® Processor N100, TDP 6W
	Intel® Processor N150, TDP 6W	Intel® Processor N150, TDP 6W
	Intel® Processor N250, TDP 6W	Intel® Processor N250, TDP 6W
	Intel® Processor Core™ 3 N355, TDP 15W	
	Intel® Processor N97, TDP 12W	
Chipset	Integrated	Integrated
Graphics	Intel® UHD Graphics (N100, N97)	Intel® UHD Graphics (N100)
	Intel® Graphics (N150, N250, N355)	Intel® Graphics (N150, N250)
Memory	1 x SO-DIMM, Up to DDR5-4800, 16GB*1	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	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	Intel® Wi-Fi 6E AX211 (Gig+), Bluetooth® 5.3
LAN	1 x Realtek Ethernet Controller 2.5G	1 x Realtek Ethernet Controller 2.5G
Audio	Realtek ALC3251	Realtek ALC3251
TPM	fTPM or TPM 2.0 chip	fTPM or TPM 2.0 chip
HDMI CEC	Yes	Yes
Front I/O Ports	1 x USB 3.2 Gen2 Type-C	1 x USB 3.2 Gen2 Type-C
	2 x USB 3.2 Gen2 Type-A	2 x USB 3.2 Gen2 Type-A
	1 x 3.5mm Headset Jack	1 x 3.5mm headset Jack
Back I/O Ports	1 x USB 3.2 Gen2 Type-C w/ DisplayPort 1.4	1 x USB 3.2 Gen2 Type-C w/ DisplayPort 1.4
	2 x USB 3.2 Gen 2 Type-A	2 x USB 3.2 Gen2 Type-A
	1 x USB 2.0 Type-A	1 x USB 2.0 Type-A
	1 x HDMI 2.1 (TMDS)	1 x HDMI 2.1 (TMDS)
	1 x DisplayPort 1.4	1 x DisplayPort 1.4
	1 x RJ45 LAN	1 x RJ45 LAN
	1 x DC-in	1 x DC-in
Side I/O Ports	1 x Kensington Lock	1 x Kensington Lock
Power Supply	19VDC, 3.42A, 65W Power Adapter	19VDC, 3.42A, 65W Power Adapter
Operating Temp	0 to 35°C	0~35°C
Storage Temp	-40 to 60°C	-40~60°C
Humidity	0%-92% non-condensing ¹	0%-92% non-condensing ¹
Dimensions (W x D x H)	135mm x 115mm x 36mm	135 mm x 115mm x 48.2mm
Product Weights	480g (0.48kg)	655g (0.66 kg)
Accessories	AC Adapter + Power Cord ²	AC Adapter + Power Cord ²
	VESA Bracket and Screws	VESA Bracket and Screws
	Safety/Caution/Regulatory Insert	Safety/Caution/Regulatory Insert
	Warranty Card	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

ASUS NUC 14 Essential

Kit Specifications



Image C



Image D

Marketing Name	NUC 14 Essential Kit	NUC 14 Essential Fanless Kit
Project Code	NUC14MNK-B	NUC14MLK-B
Photo	Image C	Image D
ASUS Logo	No	No
ASUS NUC Logo	No	No
Color	Black	Black
OS Support*	Windows 11 Pro/Home 64-bit	Windows 11 Pro/Home 64-bit
CPU	Intel® Processor N100, TDP 6W	Intel® Processor N100, TDP 6W
	Intel® Processor N150, TDP 6W	Intel® Processor N150, TDP 6W
	Intel® Processor N250, TDP 6W	Intel® Processor N250, TDP 6W
	Intel® Processor Core™ 3 N355, TDP 15W	
	Intel® Processor N97, TDP 12W	
Chipset	Integrated	Integrated
Graphics	Intel® UHD Graphics (N100, N97)	Intel® UHD Graphics (N100)
	Intel® Graphics (N150, N250, N355)	Intel® Graphics (N150, N250)
Memory*	1 x SO-DIMM, Up to DDR5-4800, 16GB*1	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	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	Intel® Wi-Fi 6E AX211 (Gig+), Bluetooth® 5.3
LAN	1 x Realtek Ethernet Controller 2.5G	1 x Realtek Ethernet Controller 2.5G
Audio	Realtek ALC3251	Realtek ALC3251
TPM	fTPM or TPM 2.0 chip	fTPM or TPM 2.0 chip
HDMI CEC	Yes	Yes
Front I/O Ports	1 x USB 3.2 Gen2 Type-C	1 x USB 3.2 Gen2 Type-C
	2 x USB 3.2 Gen2 Type-A	2 x USB 3.2 Gen2 Type-A
	1 x 3.5mm Headset Jack	1 x 3.5mm headset Jack
Back I/O Ports	1 x USB 3.2 Gen2 Type-C w/ DisplayPort 1.4	1 x USB 3.2 Gen2 Type-C w/ DisplayPort 1.4
	2 x USB 3.2 Gen 2 Type-A	2 x USB 3.2 Gen2 Type-A
	1 x USB 2.0 Type-A	1 x USB 2.0 Type-A
	1 x HDMI 2.1 (TMDS)	1 x HDMI 2.1 (TMDS)
	1 x DisplayPort 1.4	1 x DisplayPort 1.4
	1 x RJ45 LAN	1 x RJ45 LAN
	1 x DC-in	1 x DC-in
Side I/O Ports	1 x Kensington Lock	1 x Kensington Lock
Power Supply	19VDC, 3.42A, 65W Power Adapter	19VDC, 3.42A, 65W Power Adapter
Operating Temp	0 to 35°C	0~35°C
Storage Temp	-40 to 60°C	-40°~60°C
Humidity	0%~92% non-condensing ¹	0%~92% non-condensing ¹
Dimensions (W x D x H)	135mm x 115mm x 36mm	135 mm x 115mm x 48.2mm
Product Weights	480g (0.48kg)	640 (0.64 kg)
Accessories	AC Adapter + Power Cord ²	AC Adapter + Power Cord ²
	VESA Bracket and Screws	VESA Bracket and Screws
	Safety/Caution/Regulatory Insert	Safety/Caution/Regulatory Insert
	Warranty Card	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](#). *Actual spec depending on SKU

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>



Image E

ASUS NUC 14 Essential

Board Specifications

Marketing Name	NUC 14 Essential Board
Project Code	NUC14MNB
Photo	Image E
ASUS Logo	N/A
ASUS NUC Logo	N/A
Color	N/A
OS Support*	Windows 11 Pro/Home 64-bit
CPU	Intel® Processor N100, TDP 6W
	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 (N100, 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 2.5G
Audio	Realtek ALC3251
TPM	fTPM or TPM 2.0 chip
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
Product 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](#). *Actual spec depending on SKU

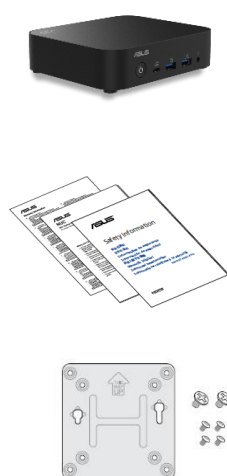
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Connections

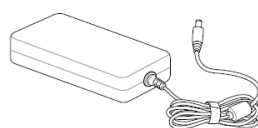


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|---------------------------|---------------------------|----------------------------------|
| 1 Power Button | 5 USB 2.0 Gen 2, Type-A | 9 HDMI® 2.1 (TMDS) |
| 2 USB 3.2 Gen2, Type-C | 6 Intel® 2.5 GbE | 10 Power Input |
| 3 2 x USB 3.2 Gen2 Type-A | 7 2 x USB 3.2 Gen2 Type-A | 11 USB 3.2 Gen2, Type-C (DP ALT) |
| 4 Headset jack | 8 DP 1.4a | 12 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.

ASUS NUC 14 Essential Fanless

Connections

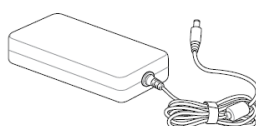


- | | | |
|---------------------------|---------------------------|----------------------------------|
| 1 Power Button | 5 USB 2.0 Gen 2, Type-A | 9 HDMI® 2.1 (TMDS) |
| 2 USB 3.2 Gen2, Type-C | 6 Intel® 2.5 GbE | 10 Power Input |
| 3 2 x USB 3.2 Gen2 Type-A | 7 2 x USB 3.2 Gen2 Type-A | 11 USB 3.2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

What's in the box



NUC 14 Essential Fanless

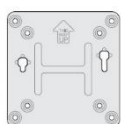


Power Adapter

19VDC 65W power supply



Inserts



VESA bracket and screws



Power Cord*

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