

ASUS NUC 16

Compact, Expandable, Connected



ASUS NUC 16 is a compact commercial mini PC designed for space-efficient business deployments. Powered by Intel® Core™ Series 3 processors with an integrated GPU and NPU, it delivers up to 40 total platform TOPS to AI tasks for everyday business workloads. Intel® Graphics with Xe3 GPU cores support up to three 4K displays via dual HDMI® 2.1 and Thunderbolt™ 4.

Featuring DDR5 memory, dual 2.5G LAN, Wi-Fi 7, Bluetooth® 6, and comprehensive USB connectivity, ASUS NUC 16 provides enterprise-focused design quality and flexible, future-ready I/O in a compact 0.7-liter form factor—delivering strong overall value through a well-rounded performance and feature set for modern business environments, including offices, retail, education, and digital signage.

Key Selling Points

- **AI-Optimized for Everyday usage:** Built-in 40 total platform TOPS deliver Copilot capabilities, bringing AI power to everyday tasks and improving productivity.
- **Memory That Keeps Lag-free:** With support up to DDR5 memory, your system avoids bottlenecks, enabling seamless data processing and multitasking.
- **Always Connected:** Experience the future of connectivity with Intel® Wi-Fi 7 & Bluetooth® 6 for lightning-fast wireless data transfers and dual LAN for rock-solid network connections.
- **Effortless Ports Integration:** Designed with lid accessory extensions compatible with up to six different port combinations, supporting the needs of multiple industries.
- **Expandable, Not Bulky:** A tool-less chassis with upgradeable SSD and memory enables hassle-free upgrades in an ultra-small 5×4 form factor, delivering powerful performance that fits anywhere.
- **Visual Command Center:** Drive up to three displays simultaneously with dual HDMI® 2.1 and Thunderbolt™ 4, creating an immersive visual workspace for data visualization and creative tasks.

Audience:

- Small and Medium Business
- Enterprises
- Manufacturing
- Retail
- Commercial display

Target Usages:

- Content Creation
- Productivity
- Edge Computing
- Digital Signage
- Kiosk
- POS System

ASUS NUC 16

Mini-PC Specifications



Image A



Image B

Marketing Name	ASUS NUC 16 Mini-PC	ASUS NUC 16 Mini-PC
Project Code	NUC16WCK	NUC16WCK
Photo	Image A	Image B
ASUS Logo	YES	YES
ASUS NUC Logo	YES	YES
Color	Black	Black
OS Support	Windows 11 Pro/Home	Windows 11 Pro/Home
CPU	Intel® Core™ 7 Processor 350, cTDP 25W Intel® Core™ 5 Processor 320, cTDP 25W Intel® Core™ 5 Processor 315, cTDP 25W Intel® Core™ 3 Processor 304, cTDP 25W	Intel® Core™ 7 Processor 350, cTDP 25W Intel® Core™ 5 Processor 320, cTDP 25W Intel® Core™ 5 Processor 315, cTDP 25W Intel® Core™ 3 Processor 304, cTDP 25W
Graphics	Integrated Intel® Graphics	Integrated Intel® Graphics
Memory	1 x CSO-DIMM, Up to DDR5-6400. Supports up to 64GB x 1	1 x CSO-DIMM, Up to DDR5-6400. Supports up to 64GB x 1
Storage	1 x M.2 2280 PCIe Gen4x4, supports 128GB~2TB NVMe SSD	1 x M.2 2280 PCIe Gen4x4, supports 128GB~2TB NVMe SSD
Wireless Network	Intel® Wi-Fi 7 BE211 (Gig+), Bluetooth 6.0	Intel® Wi-Fi 7 BE211 (Gig+), Bluetooth 6.0
LAN*	Dual Intel® Ethernet Controller I226-V, 2.5G	*Single Intel® Ethernet Controller I226-V, 2.5G (option by request)
Audio	Realtek ALC3342	Realtek ALC3342
TPM*	fTPM	fTPM
HDMI CEC	YES	YES
Front I/O Ports	2 x USB3.2 Gen2 Type-A 1 x USB 3.2 Gen 2x1 Type-C 1 x Audio Jack	2 x USB3.2 Gen2 Type-A 1 x USB 3.2 Gen 2x1 Type-C 1 x Audio Jack
Back I/O Ports	1 x Thunderbolt 4 Type-C (DP2.1) 2 x HDMI 2.1 (TMDS Compatible) 2 x USB 2.0 Type-A 2 x RJ45	1 x Thunderbolt 4 Type-C (DP2.1) 2 x HDMI 2.1 (TMDS Compatible) 2 x USB 2.0 Type-A 2 x RJ45
Side I/O Ports	1 x Kensington Lock	1 x Kensington Lock
Power Supply	Power Adapter Meets DOE Level VI, efficiency >= 88% 19VDC, 4.74A, 90W Power Adapter	Power Adapter Meets DOE Level VI, efficiency >= 88% 19VDC, 4.74A, 90W Power Adapter
Dimensions (W x D x H)	144 x 117 x 42 mm (5.67 x 4.61 x 1.65 inch)	144 x 117 x 42 mm (5.67 x 4.61 x 1.65 inch)
Weight	0.58 kg (1.28 lb)	0.58 kg (1.28 lb)
Operating Temperature	0° to + 40°C	0° to + 40°C
Storage Temperature	-40° to + 60°	-40° to + 60°
Humidity	0%-92% non-condensing ²	0%-92% non-condensing ²
Accessories	AC Adapter+Power Cord1 VESA Bracket and Screws Cable Clip Safety/Caution/Regulatory Insert Warranty Card	AC Adapter+Power Cord1 VESA Bracket and Screws Cable Clip Safety/Caution/Regulatory Insert Warranty Card

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

2. Non-condensing Humidity defined by dew point

*Actual spec depending on SKU

ASUS NUC 16

Board Specifications



Image E



Image F

Marketing Name	ASUS NUC 16 Board	ASUS NUC 16 Board
Project Code	NUC16WCB	NUC16WCB
Photo	Image E	Image F
ASUS Logo	N/A	N/A
ASUS NUC Logo	N/A	N/A
Color	N/A	N/A
OS Support*	Windows 11 Pro/Home/Edu/IoT	Windows 11 Pro/Home/Edu/IoT
CPU	Intel® Core™ 7 Processor 350, cTDP 25W Intel® Core™ 5 Processor 315, cTDP 25W Intel® Core™ 3 Processor 304, cTDP 25W	Intel® Core™ 7 Processor 350, cTDP 25W Intel® Core™ 5 Processor 315, cTDP 25W Intel® Core™ 3 Processor 304, cTDP 25W
Graphics	Integrated Intel® Graphics	Integrated Intel® Graphics
Memory*	1 x CSO-DIMM, Up to DDR5-6400. Supports up to 64GB x 1	1 x CSO-DIMM, Up to DDR5-6400. Supports up to 64GB x 1
Storage*	1 x M.2 2280 PCIe Gen4x4, supports 128GB~2TB NVMe SSD	1 x M.2 2280 PCIe Gen4x4, supports 128GB~2TB NVMe SSD
Wireless Network	None	None
LAN**	Dual Intel® Ethernet Controller I226-V, 2.5G	Single Intel® Ethernet Controller I226-V, 2.5G
Audio	Realtek ALC3342	Realtek ALC3342
TPM**	fTPM	fTPM
HDMI CEC	YES	YES
Front I/O Ports	2 x USB3.2 Gen2 Type-A 1 x USB 3.2 Gen 2x1 Type-C 1 x Audio Jack	2 x USB3.2 Gen2 Type-A 1 x USB 3.2 Gen 2x1 Type-C 1 x Audio Jack
Back I/O Ports	1 x Thunderbolt 4 Type-C (DP2.1) 2 x HDMI 2.1 (TMDS Compatible) 2 x USB 2.0 Type-A 2 x RJ45	1 x Thunderbolt 4 Type-C (DP2.1) 2 x HDMI 2.1 (TMDS Compatible) 2 x USB 2.0 Type-A 2 x RJ45
Power Supply	Not Included	Not Included
Dimensions (W x D x H)	127 x 113.8 x 28.5 mm (5 x 4.48 x 1.12 inch)	127 x 113.8 x 28.5 mm (5 x 4.48 x 1.12 inch)
Weight	0.21 kg (0.47 lb)	0.21 kg (0.47 lb)
Operating Temperature	0° to + 40°C	0° to + 40°C
Storage Temperature	-40° to + 60°	-40° to + 60°
Humidity	0%-92% non-condensing ²	0%-92% non-condensing ²
Accessories	Warranty Card Safety/Caution/Regulatory Insert	Warranty Card Safety/Caution/Regulatory Insert

(* No OS, SSD, or memory installed at shipment)

2. Non-condensing Humidity defined by dew point

**Actual spec depending on SKU

ASUS NUC 16



Image C



Image D

Kit Specifications

Marketing Name	ASUS NUC 16 Kit	ASUS NUC 16 Kit
Project Code	NUC16WCK-B	NUC16WCK-B
Photo	Image C	Image D
ASUS Logo	No	No
ASUS NUC Logo	No	No
Color	Black	Black
OS Support*	Windows 11 Pro/Home/Edu/IoT	Windows 11 Pro/Home/Edu/IoT
CPU	Intel® Core™ 7 Processor 350, cTDP 25W Intel® Core™ 5 Processor 320, cTDP 25W Intel® Core™ 5 Processor 315, cTDP 25W Intel® Core™ 3 Processor 304, cTDP 25W	Intel® Core™ 7 Processor 350, cTDP 25W Intel® Core™ 5 Processor 320, cTDP 25W Intel® Core™ 5 Processor 315, cTDP 25W Intel® Core™ 3 Processor 304, cTDP 25W
Graphics	Integrated Intel® Graphics	Integrated Intel® Graphics
Memory*	1 x CSO-DIMM, Up to DDR5-6400. Supports up to 64GB x 1	1 x CSO-DIMM, Up to DDR5-6400. Supports up to 64GB x 1
Storage*	1 x M.2 2280 PCIe Gen4x4. Supports 128GB~2TB NVMe SSD	1 x M.2 2280 PCIe Gen4x4. Supports 128GB~2TB NVMe SSD
Wireless Network	Intel® Wi-Fi 7 BE211 (Gig+), Bluetooth 6.0	Intel® Wi-Fi 7 BE211 (Gig+), Bluetooth 6.0
LAN*	Dual Intel® Ethernet Controller I226-V, 2.5G	Single Intel® Ethernet Controller I226-V, 2.5G
Audio	Realtek ALC3342	Realtek ALC3342
TPM*	fTPM	fTPM
HDMI CEC	YES	YES
Front I/O Ports	2 x USB3.2 Gen2 Type-A 1 x USB 3.2 Gen 2x1 Type-C 1 x Audio Jack	2 x USB3.2 Gen2 Type-A 1 x USB 3.2 Gen 2x1 Type-C 1 x Audio Jack
Back I/O Ports	1 x Thunderbolt 4 Type-C (DP2.1) 2 x HDMI 2.1 (TMDS Compatible) 2 x USB 2.0 Type-A 2 x RJ45	1 x Thunderbolt 4 Type-C (DP2.1) 2 x HDMI 2.1 (TMDS Compatible) 2 x USB 2.0 Type-A 2 x RJ45
Side I/O Ports	1 x Kensington Lock	1 x Kensington Lock
Power Supply	Power Adapter Meets DOE Level VI, efficiency >= 88% 19VDC, 4.74A, 90W Power Adapter	Power Adapter Meets DOE Level VI, efficiency >= 88% 19VDC, 4.74A, 90W Power Adapter
Dimensions (W x D x H)	144 x 117 x 42 mm (5.67 x 4.61 x 1.65 inch)	144 x 117 x 42 mm (5.67 x 4.61 x 1.65 inch)
Weight	0.55 kg (1.22 lb)	0.55 kg (1.22 lb)
Operating Temperature	0° to + 40°C	0° to + 40°C
Storage Temperature	-40° to + 60°	-40° to + 60°
Humidity	0%-92% non-condensing ²	0%-92% non-condensing ²
Accessories	AC Adapter+Power Cord ¹ VESA Bracket and Screws Cable Clip Safety/Caution/Regulatory Insert Warranty Card	AC Adapter+Power Cord ¹ VESA Bracket and Screws Cable Clip Safety/Caution/Regulatory Insert Warranty Card

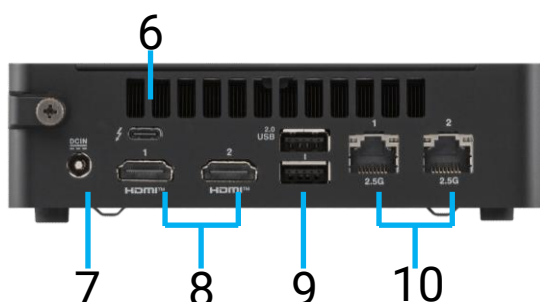
1.Power cord included is region specific, and some SKUs do not include the power cord

2. Non-condensing Humidity defined by dew point

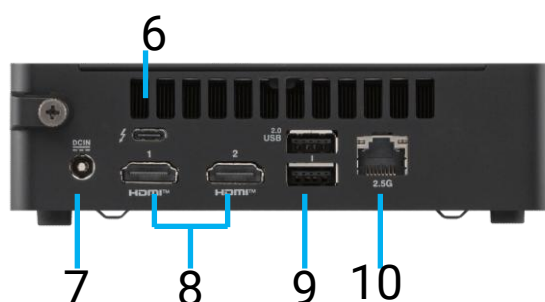
*Actual spec depending on SKU

ASUS NUC 16

I/O Port



***2 x 2.5G RJ45 (default)**



***1 x 2.5G RJ45 (option by request)**

1. Audio Jack
2. USB 3.2 Type-A x 2
3. USB 3.2 Type-C
4. Power Button
5. Kensington Lock

6. Type C Thunderbolt™ 4
7. Power input
8. HDMI 2.1 x 2
9. USB 2.0 x 2
10. RJ45*

ASUS NUC 16

What's in the box

NUC 16



VESA Mount + Screws



AC Power Adapter and
AC Cord*



Regulatory Flyer



Safety/Caution Flyer



NUC Warranty Card
Flyer



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.