ASUS NUC 12 PRO

Engineered for Business and Commercial Needs

ASUS NUC 12 Pro Mini PCs, Kits, and Boards raise the bar for performance and connectivity in a 4x4 device for productivity, collaboration, and edge compute. 12th Gen Intel® Core™ processors—plus up to 64GB dual-channel memory and massive SSD capacity—drive enterprise-class performance in a pint-sized PC. Select ASUS NUC 12 Pro SKUs feature Intel vPro® Enterprise for Windows with 12th Gen Intel® Core™ processors, which provides performance, security, stability, and manageability features for managed businesses of all sizes.

Key Selling Points

Powerful Performance Perfect Fit: Experience the advanced power and performance for edge computing, collaboration, home offices, and more— 12th Gen Intel® Core™ processors deliver it all.

Small Size. Big Business Performance: ASUS NUC 12 Pro sets new standards with 12th Gen Intel® Core™ processors, up to 64 GB dual-channel memory, ample SSD capacity, and lightning-fast connectivity in a compact 4x4 design.

The Power of Small: With a 4" x 4" footprint, pint-sized NUC 12 Pro Mini PCs and Kits are available in two chassis, including tall kits with a 2.5" drive bay and an internal expansion bay.

Brilliant graphics: Small size and brilliant graphics technologies make NUC systems an ideal choice for kiosks, signage, video walls, and more. Choose from systems with Intel® Iris® X^e graphics or customizable discrete graphics.

Audience

- Office Productivity
- Collaboration

- Digital Signage / Kiosk Embedded
- Surveillance / Edge Compute

ASUS NUC 12 PRO

Mini-PC Specifications

Image A

Image B

Marketing Name	ASUS NUC 12 Pro Mini-PC	ASUS NUC 12 Pro Mini-PC
Project Code	NUC12WSH	NUC12WSK
Photo	Image A	Image B
ASUS Logo	N/A	N/A
ASUS NUC Logo	N/A	N/A
Color	Black	Black
OS Support	Windows 11 64-bit	Windows 11 Pro 64-bit
CPU	Intel® Core™ i7-1260P Processor, cTDP 40W Intel® Core™ i5-1240P Processor, cTDP 40W Intel® Core™ i5-1220P Processor, cTDP 40W	Intel® Core™ i7-1260P Processor, cTDP 40W Intel® Core™ i5-1240P Processor, cTDP 40W Intel® Core™ i5-1220P Processor, cTDP 40W
Chipset	Integrated	Integrated
Graphics	Intel® Iris® Xe Graphics (i5/i7) Intel® UHD Graphics (i3)	Intel® Iris® Xe Graphics (i5/i7) Intel® UHD Graphics (i3)
Memory	2 x SO-DIMM, Up to DDR4-3200, 32GB*2	2 x SO-DIMM, Up to DDR4-3200, 32GB*2
Storage	1 x M.2 2280 PCIe Gen4x4, supports 128GB~8TB NVMe SSD 1 x M.2 2242 PCIe x1, supports SATA 128GB~1TB SATA SSD 1 x 2.5" SATA 6Gb/s, supports 4TB 7~15mm HDD	1 x M.2 2280 PCIe Gen4x4, supports 128GB~8TB NVMe SSD 1 x M.2 2242 PCIe x1, supports SATA 128GB~1TB SATA SSD 1 x SATA Power/DATA header for 2.5in SSD/HDD, supports 128GB~2TB SATA drive
Wireless Network	Intel® AX211 (Gig+), Wi-Fi 6E, Bluetooth 5.3	Intel® AX211 (Gig+), Wi-Fi 6E, Bluetooth 5.3
LAN	Intel® Ethernet Controller I225-V, 2.5G	Intel® Ethernet Controller I225-V, 2.5G
Audio	Realtek ALC269	Realtek ALC269
TPM	fTPM or TPM 2.0 chip	fTPM or TPM 2.0 chip
Card Reader	None	None
HDMI CEC	Yes, 2 ports on back panel	Yes, 2 ports on back panel
Front I/O Ports	2 x USB 3.2 Gen2 Type-A 1 x 3.5mm Headset Jack	2 x USB 3.2 Gen2 Type-A 1 x 3.5mm Headset Jack
Back I/O Ports	2 x Thunderbolt 4 Type-C w/ DisplayPort 1.4 1 x USB 3.2 Gen 2 Type-A 1 x USB 2.0 Type-A 2 x HDMI 2.1 (TMDS) 1 x RJ45 LAN 1 x DC-in	2 x Thunderbolt 4 Type-C w/ DisplayPort 1.4 1 x USB 3.2 Gen 2 Type-A 1 x USB 2.0 Type-A 2 x HDMI 2.1 (TMDS) 1 x RJ45 LAN 1 x DC-in
Side I/O Ports	1 x Kensington Lock slot	1 x Kensington Lock slot
Power Supply	20VDC, 6.0A, 120W Power Adapter (i7/i5 CPU) 19VDC, 4.74A, 90W Power Adapter (i3 CPU)	20VDC, 6.0A, 120W Power Adapter (i7/i5 CPU) 19VDC, 4.74A, 90W Power Adapter (i3 CPU)
Operating Temp	0 to 40C	0 to 40C
Storage Temp	-40 to 60C	-40 to 60C
Humidity	0%-92% non-condensing[1]	0%-92% non-condensing[1]
Dimensions (W x D x H)	"H" 117 x 112 x 54 mm	"K" 117 x 112 x 37 mm
Weights	~610g	~502g
Accessories	AC Adapter + Power Cord[2] VESA Bracket and Screws M3 Screws for 2.5in Drive Cable Clip Safety/Caution/Regulatory Insert Warranty Card	AC Adapter + Power Cord[2] VESA Bracket and Screws Cable Clip Safety/Caution/Regulatory Insert Warranty Card

[1] Humidity Info detail please check link: [Non-condensing Humidity defined by dew point.](#)
[2] Power cord included is region specific, and some SKUs do not include the power cord.

ASUS NUC 12 PRO

Kit Specifications

Image C

Image D

Marketing Name	ASUS NUC 12 Pro Kit	ASUS NUC 12 Pro Kit
Project Code	NUC12WSH-B	NUC12WSK-B
Photo	Image C	Image D
ASUS Logo	N/A	N/A
ASUS NUC Logo	N/A	N/A
Color	Black	Black
OS Support	Windows 11 64-bit Windows 10 IoT Enterprise 64-bit RedHat Enterprise Linux 9.1 64-bit Ubuntu 20.04/22.04 LTS 64-bit	Windows 11 64-bit Windows 10 IoT Enterprise 64-bit RedHat Enterprise Linux 9.1 64-bit Ubuntu 20.04/22.04 LTS 64-bit
CPU	Intel® Core™ i7-1270P Processor w/ vPro, cTDP 40W Intel® Core™ i7-1260P Processor, cTDP 40W Intel® Core™ i5-1250P Processor w/ vPro, cTDP 40W Intel® Core™ i5-1240P Processor, cTDP 40W Intel® Core™ i3-1220P Processor, cTDP 15W	Intel® Core™ i7-1270P Processor w/ vPro, cTDP 40W Intel® Core™ i7-1260P Processor, cTDP 40W Intel® Core™ i5-1250P Processor w/ vPro, cTDP 40W Intel® Core™ i5-1240P Processor, cTDP 40W Intel® Core™ i3-1220P Processor, cTDP 15W
Chipset	Integrated	Integrated
Graphics	Intel® Iris® Xe Graphics (i5/i7) Intel® UHD Graphics (i3)	Intel® Iris® Xe Graphics (i5/i7) Intel® UHD Graphics (i3)
Memory	2 x SO-DIMM, Up to DDR4-3200, 32GB*2	2 x SO-DIMM, Up to DDR4-3200, 32GB*2
Storage	1 x M.2 2280 PCIe Gen4x4, supports 128GB~8TB NVMe SSD 1 x M.2 2242 PCIe x1, supports SATA 128GB~1TB SATA SSD 1 x 2.5" SATA 6Gb/s, supports 4TB 7~15mm HDD	1 x M.2 2280 PCIe Gen4x4, supports 128GB~8TB NVMe SSD 1 x M.2 2242 PCIe x1, supports SATA 128GB~1TB SATA SSD 1 x SATA Power/DATA header for 2.5in SSD/HDD, supports 128GB~2TB SATA drive
Wireless Network	Intel® AX211 (Gig+), Wi-Fi 6E, Bluetooth 5.3 Intel® vPro® Technology (i7/i5 vPro SKUs only)	Intel® AX211 (Gig+), Wi-Fi 6E, Bluetooth 5.3 Intel® vPro® Technology (i7/i5 vPro SKUs only)
LAN	Intel® Ethernet Controller I225-V/LM, 2.5G[1]	Intel® Ethernet Controller I225-V/LM, 2.5G[1]
Audio	Realtek ALC269	Realtek ALC269
TPM	fTPM or TPM 2.0 chip	fTPM or TPM 2.0 chip
Card Reader	None	None
HDMI CEC	Yes, 2 ports on back panel	Yes, 2 ports on back panel
Front I/O Ports	2 x USB 3.2 Gen2 Type-A 1 x 3.5mm Headset Jack	2 x USB 3.2 Gen2 Type-A 1 x 3.5mm Headset Jack
Back I/O Ports	2 x Thunderbolt 4 Type-C w/ DisplayPort 1.4 1 x USB 3.2 Gen 2 Type-A 1 x USB 2.0 Type-A 2 x HDMI 2.0b 1 x RJ45 LAN 1 x DC-in	2 x Thunderbolt 4 Type-C w/ DisplayPort 1.4 1 x USB 3.2 Gen 2 Type-A 1 x USB 2.0 Type-A 2 x HDMI 2.0b 1 x RJ45 LAN 1 x DC-in
Side I/O Ports	1 x Kensington Lock slot	1 x Kensington Lock slot
Power Supply	20VDC, 6.0A, 120W Power Adapter (i7/i5 CPU) 19VDC, 4.74A, 90W Power Adapter (i3 CPU)	20VDC, 6.0A, 120W Power Adapter (i7/i5 CPU) 19VDC, 4.74A, 90W Power Adapter (i3 CPU)
Operating Temp	0 to 40C	0 to 40C
Storage Temp	-40 to 60C	-40 to 60C
Humidity	0%-92% non-condensing[2]	0%-92% non-condensing[2]
Dimensions (W x D x H)	"H" 117 x 112 x 54 mm	"K" 117 x 112 x 37 mm
Weights	~610g	~502g
Accessories	AC Adapter + Power Cord[3] VESA Bracket and Screws M3 Screws for 2.5in Drive Cable Clip Safety/Caution/Regulatory Insert Warranty Card	AC Adapter + Power Cord[3] VESA Bracket and Screws Cable Clip Safety/Caution/Regulatory Insert Warranty Card

[1] Intel® Ethernet Controller I225-LM included on vPro enabled systems
[2] Humidity Info detail please check link: Non-condensing Humidity defined by dew point.
[3] Power cord included is region specific, and some SKUs do not include the power cord

ASUS NUC 12 PRO
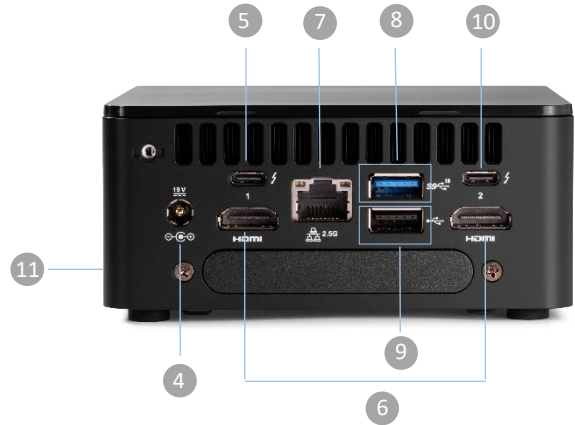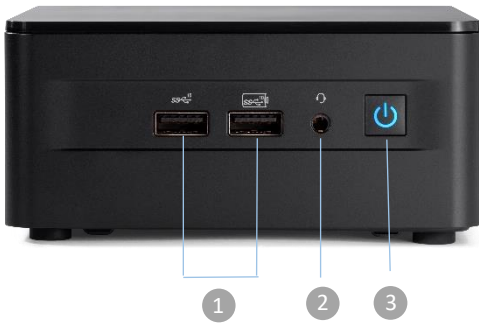
Board Specifications

Image E

Marketing Name	ASUS NUC 12 Pro Board
Project Code	NUC12WSB-M
Photo	Image E
ASUS Logo	N/A
ASUS NUC Logo	N/A
Color	N/A
OS Support	Windows 11 64-bit Windows 10 IoT Enterprise 64-bit RedHat Enterprise Linux 9.1 64-bit Ubuntu 20.04/22.04 LTS 64-bit
CPU	Intel® Core™ i7-1270P Processor w/ vPro, cTDP 40W Intel® Core™ i7-1260P Processor, cTDP 40W Intel® Core™ i5-1250P Processor w/ vPro, cTDP 40W Intel® Core™ i5-1240P Processor, cTDP 40W Intel® Core™ i3-1220P Processor, cTDP 15W
Chipset	Integrated
Graphics	Intel® Iris® Xe Graphics (i5/i7) Intel® UHD Graphics (i3)
Memory	2 x SO-DIMM, Up to DDR4-3200, 32GB*2
Storage	1 x M.2 2280 PCIe Gen4x4, supports 128GB~8TB NVMe SSD 1 x M.2 2242 PCIe x1, supports SATA 128GB~1TB SATA SSD 1 x SATA Power/DATA header for 2.5in SSD/HDD, supports 128GB~2TB SATA drive
Wireless Network	No Wireless Card Installed
LAN	Intel® Ethernet Controller I225-V/LM, 2.5G[1]
Audio	Realtek ALC269
TPM	fTPM or TPM 2.0 chip
Card Reader	None
HDMI CEC	Yes, 2 ports on back panel
Front I/O Ports	2 x USB 3.2 Gen2 Type-A 1 x 3.5mm Headset Jack
Back I/O Ports	2 x Thunderbolt 4 Type-C w/ DisplayPort 1.4 1 x USB 3.2 Gen 2 Type-A 1 x USB 2.0 Type-A 2 x HDMI 2.0b 1 x RJ45 LAN 1 x DC-in
Side I/O Ports	N/A
Power Supply	20VDC, 6.0A, 120W Power Adapter (i7/i5 CPU) 19VDC, 4.74A, 90W Power Adapter (i3 CPU)
Operating Temp	0 to 50C
Storage Temp	-40 to 60C
Humidity	0%-92% non-condensing[2]
Dimensions (W x D x H)	104.1mm x 101.6mm x 27mm
Weights	~225g
Accessories	Warranty Card Safety/Caution/Regulatory Insert

[1] Intel® Ethernet Controller 1225-LM included on vPro enabled systems
[2] Humidity Info detail please check link: Non-condensing humidity defined by dew point.

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

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Model NUC12WSH (Tall) Connections

1	2 x USB 3.2 Gen2 Type-A	5	1 x Thunderbolt 4 Type-C w
2	1 x 3.5mm Headset Jack	6	2 x HDMI 2.0b
3	1 x Power Bottom	7	1 x 2.5Gb Ethernet
4	1 x 12-20 V DC Input Jack	8	1 x USB 3.2 Gen 2, Type-A

9	1 x USB 2.0, Type-A
10	1 x Thunderbolt 4 Type-C w
11	1 x Kensington Lock (Side Port)

Model NUCWSK (Slim) Connections
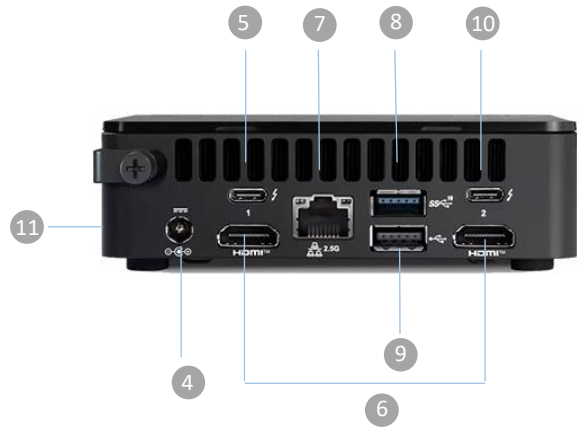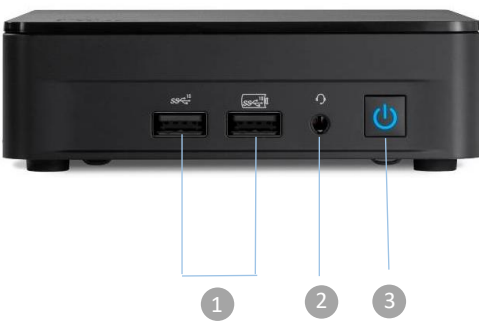
1	2 x USB 3.2 Gen2 Type-A	5	1 x Thunderbolt 4 Type-C w
2	1 x 3.5mm Headset Jack	6	2 x HDMI 2.0b
3	1 x Power Bottom	7	1 x 2.5Gb Ethernet
4	1 x 12-20 V DC Input Jack	8	1 x USB 3.2 Gen 2, Type-A

9	1 x USB 2.0, Type-A
10	1 x Thunderbolt 4 Type-C w
11	1 x Kensington Lock (Side Port)

ASUS NUC 12 PRO

What's in the box

Or   NUC 12 PRO
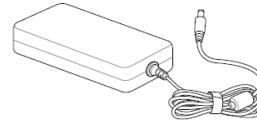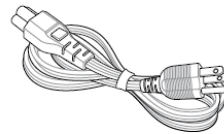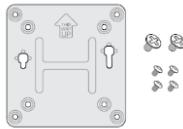
90 / 120 W power supply

Inserts

Power Cord*

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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Actual performance may vary depending on the application, usage, environment, and other factors. Full specifications are available at http://www.asus.com