

Slim AI-Ready Mini PC for Multitasking and 4K Displays



ASRock Industrial NUCS BOX-255H



High-Speed, AI-Ready Mini PC for Business, Entertainment and Creators

The NUCS BOX-255H is a slim, high-performance mini PC designed to bring AI acceleration, graphics power, and versatile connectivity into a compact footprint. Powered by Intel® Core™ Ultra processors and Intel® Arc™ graphics, it enables smooth multitasking, immersive visuals, and AI-enhanced workloads across automation, digital signage, entertainment, and office applications. Supporting up to 96GB DDR5 6400MHz memory and Intel® Volume Management Device RAID 0/1, it delivers both speed and reliability. Engineered for flexibility, the NUCS BOX-255H features quad 4k display outputs, fast USB4/Thunderbolt™ 4, and Wi-Fi 6E for seamless connectivity. Its fan-assisted slim design ensures stability in continuous operation while maintaining quiet efficiency. With a balance of AI-ready performance, compact size, and advanced I/O options, the NUCS BOX-255H stands out as a future-ready solution for businesses and professionals requiring powerful computing in space-constrained environments.

***A compact
mini PC
built to
empower
the future
of intelligent
computing***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors



Intel® Arc™
Graphics



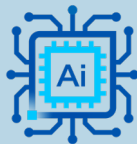
OpenVINO™
Toolkit



Intel® oneAPI
Base Toolkit

Key Features

Empowered by Intel.



AI-Ready
Performance



Quad 4K
Support



High-Speed
Connectivity



Slim,
Flexible
Design

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Product Specifications

CPU	Intel® Core™ Ultra Processors (Series 2) NUCS BOX-255H (Ultra 7 255H, 6P+8E) NUCS BOX-225H (Ultra 5 225H, 4P+8E)
Graphics	Intel® Arc™ 140T graphics (255H) Intel® Arc™ 130T graphics (225H)
Memory	Dual Channel DDR5 6400 MHz / 96GB (48 GB per DIMM)
Storage	1 x M.2 (KEY M, 2280) with PCIe Gen4x4 for SSD 1 x M.2 (KEY M, 2242) with PCIe Gen4x1 for SSD Intel® Volume Management Device (Intel® VMD) RAID 0/1 **supported by identical interface (PCIe) PCIe interface: 2*M.2 Key M
Wireless Network	1 x Wi-Fi 6E 802.11ax + BT 5.3
LAN	Intel® Ethernet Controller I226-LM with 10/100/1000/2500 Mbps
Operating / Storage Temp.	0°C ~ 40°C / -40° C ~ 85° C
Dimension (W x D x H)	117.5mm x 110.0mm x 38mm
Weight	1.0Kg
OS	Windows 10/11

Learn More

[ASRock NUCS BOX-255H](#)

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