

Intel® Core™ Ultra Series 3 Processors for Edge AI



NUCS Ultra 300 BOX Series

Up to 180 TOPS of AI with Intel® Arc™ Xe3 and NPU 5.0



The ASRock Industrial NUCS Ultra 300 BOX Series brings advanced AI acceleration to compact edge and desktop environments. Powered by Intel® Core™ Ultra Series 3 processors with up to 16 CPU cores, integrated GPU and NPU resources, the platform delivers up to 180 TOPS of AI performance for AI inference, intelligent automation, content creation, software development, and data-intensive workloads. Advanced Intel® Arc™ Xe3 graphics, NPU 5.0 acceleration, and high-speed DDR5-7200 memory help optimize responsiveness across demanding applications, while support for up to four 8K displays enables immersive visualization and multi-screen productivity.

Designed for AI-enhanced workspaces, digital creators, developers, gamers, and prosumer users, the system also features Wi-Fi 7, high-speed connectivity, and flexible storage options in an ultra-compact form factor. The result is powerful, responsive AI computing that expands what is possible across a wide range of edge and professional environments.

***Empowering users
across industries,
from commercial
operations and
development
to gaming and
prosumer innovation,
to expand what's
possible with AI.***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™ Ultra
Series 3 Processors



Intel® Arc™
Graphics



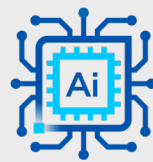
OpenVINO™
Toolkit



Intel®
Ethernet

Key Features

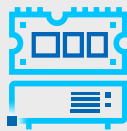
Empowered by Intel.



Up to 180 TOPS



8K Quad Display Output



High-Speed Memory and Storage



Wi-Fi 7 and Bluetooth 6.0

ASRock Industrial NUCS Ultra 300 BOX Series



Product Specifications

CPU	Intel® Core™ Ultra X7 Processor 358H, 4P+8E+4LPE
Graphics	Intel® Arc™ Graphics
Memory	Dual Channel DDR5 7200 MHz
Storage	1 x M.2 (KEY M, 2280) with PCIe Gen5 x4 for SSD 1 x M.2 (KEY M, 2242) with PCIe Gen4x4 for SSD
Wireless Network	1 x Wi-Fi 7 + BT 6.0
LAN	Intel® Ethernet Controller I226-LM with 10/100/1000/2500 Mbps
Operating/Storage Temperature	0°C ~ 40°C / -40°C ~ 85°C
Dimension (W x D x H)	117.5mm x 110.0mm x 38mm
Weight	1kg
OS	Windows 11
Rear I/O and Front I/O	1 x USB4/Thunderbolt™ 4, 5 x USB 3.2 Gen2

Learn More

[ASRock NUCS Ultra 300 BOX Series](#)

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