

Fanless AI Edge Computer for Harsh Environments



ASUS IoT PE2300U Rugged Fanless Edge Computer

Compact Edge Computer with DDR5 Memory Dual LAN and Rich I/O

The ASUS PE2300U is a rugged fanless edge computer powered by Intel® Core™ Ultra processor (Series 2), supporting up to 64 GB DDR5 memory for high-performance AI and IoT workloads. Its fanless design ensures silent operation while maintaining full CPU utilization through an efficient thermal solution.

Equipped with rich I/O and expansion capabilities—including dual LAN, seven USB ports, four COM ports, HDMI and DisplayPort outputs, and optional modules for PoE, CAN-bus, and additional COM ports—PE2300U provides versatile connectivity for diverse vertical applications. With built-in NPU delivering up to 11 TOPS, it offers powerful AI acceleration at the edge. MIL-STD 810H compliance and wide input voltage (9–36V) and temperature range (-20°C to 60°C) ensure rugged reliability and adaptability in challenging industrial environments.

ASUS × **intel ai**

Rugged Fanless Edge Computer with Intel® Core™ Ultra processor, 64 GB DDR5, 11 TOPS AI, and versatile I/O for industrial IoT

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors



OpenVINO™

Key Features

Empowered by Intel.



Fanless
Compact
Design



Rich
Connectivity



High-Speed
DDR5 Memory



Wide Voltage
& Temperature
Range

ASUS PE2300U



Product Specifications

CPU	Intel® Core™ Ultra processor (Series 2), with up to 64 GB DDR5
Graphics	Intel® Graphics
Memory	2 x SO-DIMM, DDR5 supports up to 6400 MHz, max 64 GB
Storage	1 x 2.5" HDD/SSD; 1 x M.2 2280 M key socket (PCIe G4x4)
Wireless Network	1 x M.2 3042/3052 B key socket with nano-SIM slot (PCIe x1/ USB 2.0)
LAN	Rich I/O with 2 x LAN, 7 x USB and 4 x COM
Operating / Storage Temp.	-20° C to 60° C / -40° C to 85° C
Dimension (W x D x H)	147mm x 57mm x 254mm
Weight	1.93 kg
OS	Windows® 11 IoT Enterprise (64-bit) / Linux by Project Support

Learn More

[ASUS PE23000U](#)

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