

RUC-1000G: 19" 2U Rugged-Rack Edge AI GPU Computer



Supports Intel® Core™ Ultra 200S Series Processor

ASUS IoT [RUC-1000G](#) is the world's first edge AI GPU computer to support 600W GPUs in a 2U form factor with PCIe 5.0, achieving up to 4,000 TOPS of AI performance—leading the industry in capabilities¹. This powerful system enables ultra-fast AI training and real-time inference for complex workloads. It features an Intel® Core™ Ultra CPU, up to 64GB of DDR5 memory, and multiple M.2 slots for expanded storage and connectivity. Designed for high-performance industrial AI computing, the RUC-1000G excels in applications such as machine vision, autonomous vehicles, and intelligent video analytics. An advanced heat-dissipation system isolates the main system from the GPU chassis, ensuring consistent, unthrottled performance even in harsh environments.

Key Features



Extreme AI
Performance



Rugged and
Flexible



Comprehensive
I/O and
Secure Edge



Powerful
Processing
and Storage

Intel Products & Technology



[Intel® Core™ Ultra Processors](#)

[Intel vPro®](#)



[OpenVINO™ Toolkit](#)



[Intel® oneAPI Toolkit](#)

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