

4U Multi-GPU Workstation for AI and Professional Computing



HPC-7485+ASMB-808

Scalable 4U AI Workstation Powered by Intel® Xeon® 6

AI is penetrating into industrial and professional work environments, where high-performance computing is needed with the reliability and flexibility to run demanding workloads at the edge. The ASMB-808 motherboard paired with the HPC-7485 4U rackmount server provides a powerful and scalable foundation for AI development, engineering simulation, 3D visualization, and professional content creation.

Powered by Intel® Xeon® 600 processors with up to 350W TDP and the Intel® W890 chipset, the platform combines high-performance CPU computing with seven PCIe Gen 5 x16 slots for flexible GPU and accelerator expansion. It supports up to four dual-slot GPUs, enabling system developers to build powerful multi-GPU configurations tailored to demanding AI workloads. With the HPC-7485, the platform also provides expanded storage, high-airflow cooling, and reliable rackmount deployment.

Supporting up to four Intel® Arc™ Pro B70 workstation GPUs, the solution delivers scalable GPU acceleration and high-density computing for AI inference, professional visualization, and other compute-intensive applications.

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Xeon® 600
Processors



Intel® Arc™
Graphics



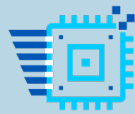
Intel® W890
Chipset



**Scalable AI
Inference *with*
a Quad Dual-Slot
GPU Edge AI
Platform**

Key Features

Empowered by Intel.



High-End
Workstation-Class
CPU



High-Speed
DDR5



Seven PCIe
Gen 5 x 16
Expansion



8x Hot-Swap
HDD

Advantech HPC-7485+ASMB-808



intel ai

Intel® AI Edge Systems

Product Specifications

CPU	Intel® Xeon® 690/670/650/630 processor
Graphics	Support discrete GPU configurations: (1-4pcs) Intel® Arc™ Pro B70 Graphics
Memory	8 x DDR5 6400 MHz RDIMM up to 2TB, also supports MRDIMM
Storage	8 x SATA 3.0 (6 Gb/s) via 2 x SlimSAS
LAN	Dual 2.5GbE, Dual 10GbE
Operating / Storage Temp.	0°C ~ 60°C / -40°C ~ 85°C
Dimension (W x D x H)	435mm x 176mm x 660mm
Weight	29KG
OS	Windows® 11 (64-bit)

Learn More

[Advantech HPC-7485+ASMB-808](#)

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