

The InoNet logo consists of the word "INO" in dark blue and "NET" in red, both in a bold, sans-serif font, enclosed within a dark blue square.

INONET

A EUROTECH COMPANY

InoNet GPU Servers

**GPU servers for maximum performance
in AI and industry**

High-end NVIDIA® GPUs
Latest Blackwell technology

Custom configurations
Flexibility & Scalability

Designed for reliable performance
Industrial-grade platforms



GPU Server with NVIDIA® Blackwell architecture

Our GPU servers rely on powerful **NVIDIA® GPUs** with **Blackwell** architecture and combine them with state-of-the-art processors for maximum computing power. They are specially designed for **demanding workloads** – from training complex **AI models to computer vision**, simulations, and industrial 24/7 applications. With customized configurations, our systems deliver exactly the performance your projects require. Thanks to **robust, durable industrial components**, our GPU servers not only offer maximum performance, but also maximum reliability in continuous use.

Entry

Compact Compute

Configurable from low power to maximum GPU density for processing-intensive applications with limited space.

- Powerful NVIDIA® RTX PRO™ 2000/4000 Blackwell GPU

- High performance with AMD® Ryzen™/EPYC™ CPU

- 6x 2.5" hot-swap drive bays

- Robust full-industrial components for 24/7 operation



Mayflower®-ID-AM5 - GPU Server

Plus

Versatile Platform

Flexible 4U platform with GPU integration based on an industrial-grade workstation architecture.

- High-End GPU: NVIDIA® RTX PRO™ 6000 Blackwell Max-Q Workstation Edition

- High performance with Intel® Core™ i CPU 12th/13th/14th Gen.

- Up to 5x slots for expansion cards

- Robust full-industrial components for 24/7 operation



Mayflower®-II-R680E - GPU Server

Pro

Scalable Performance Platform

Server-based 4U platform with high performance ceiling and expanded I/O options for GPU scaling.

- 2x High-End GPUs: NVIDIA® RTX PRO™ 6000 Blackwell Max-Q Workstation Edition (On request: up to 3x GPUs)

- High performance with AMD® EPYC™ 9005/9004 CPU

- Up to 7x slots for expansion cards

- Robust full-industrial components for 24/7 operation



Mayflower®-II-SP5 - GPU Server

Industrial AI Solutions by Eurotech

Adding Eurotech stack (HW & SW integration), our GPU Server platforms become ready to use building blocks for visual inspection systems – integrating industrial data, running AI at the edge, and securely managing deployments at scale.

ReliaCOR 55-20 – based on Mayflower®-ID-AM5

ReliaCOR 61-11 – based on Mayflower®-II-SP5

Product Overview GPU Server & LLM

Configuration examples

	Mayflower®-ID-AM5 – GPU Server	Mayflower®-II-R680E – GPU Server	Mayflower®-II-SP5 – GPU Server	Mayflower®-LLMW33-SP3
				
Industrial Mainboard	micro-ATX, 24/7 operation long-term available	ATX, 24/7 operation long-term available	CEB, 24/7 operation long-term available	ATX, 24/7 operation long-term available
CPU	AMD® EPYC™ 4005/4004 AMD® Ryzen™ 7000/8000/9000 Socket AM5	Intel® Core™ i 12 th /13 th /14 th Gen. Intel® Core™ (Bartlett Lake-S Hybrid)	AMD® EPYC™ 9005/9004 Socket SP5	AMD® EPYC™ 7003/7002 Liquid cooled Socket SP3
RAM	2x DDR5 DIMM max. 192 GB	4x DDR5 UDIMM max. 192 GB	8x DDR5 RDIMM max. 4 TB	8x DDR4 RDIMM/LRDIMM RDIMM: max. 64 GB/DIMM LRDIMM: max. 128 GB/DIMM
GPU	1x NVIDIA® RTX PRO™ 2000 Backwell PCIe x8 16 GB GDDR7 with ECC 4352 CUDA Cores or 1x NVIDIA® RTX PRO™ 4000 Backwell PCIe x8 24 GB GDDR7 with ECC 8960 CUDA Cores	1x NVIDIA® RTX PRO™ 6000 Blackwell Max-Q Workstation Edition PCIe x16 96 GB GDDR7 with ECC 24064 CUDA Cores	2x NVIDIA® RTX PRO™ 6000 Blackwell Max-Q Workstation Edition PCIe x16 96 GB GDDR7 with ECC 24064 CUDA Cores On request: up to 3x GPU	1x NVIDIA® H100 NVL 2x PCIe x16 188 GB HBM3 RAM 33792 CUDA Cores On request: 2x NVIDIA® H100 NVL 4x PCIe x16
Mass Storage	1x M.2 (M-key) External: 6x 2.5"	2x M.2 (M-key) Internal: 1x 2.5" External: 2x 5.25"	2x M.2 (M-key) Internal: 4x 2.5", 2x 3.5"	2x M.2 (M-key) External: 2x 5.25"
Expansion	1x PCIe x16 (Gen 4) (used by NVIDIA® RTX GPU)	2x PCIe x8 (Gen 4) (already used)	4x PCIe x16 (Gen 5) (2x used by NVIDIA® RTX GPU) 2x PCIe x8 (Gen 5) (2x used by NVIDIA® RTX GPU)	7x PCIe x16 (Gen 4) (4 slots already used)
I/O	2x 1 GBit LAN (RJ45) 2x 10 GBit LAN (RJ45) 1x Dedicated IPMI LAN (RJ45) 5x USB 3.2 (Gen 1) 1x RS-232 1x DisplayPort 1x HDMI 1x VGA	1x 1 GBit LAN (RJ45) 3x 2.5 GBit LAN (RJ45) 8x USB 3.2 (4x Gen 1, 4x Gen 2) 2x DisplayPort 1x HDMI 1x VGA 1x Line-Out 1x Mic	2x 1 GBit LAN (RJ45) 2x 10 GBit LAN (RJ45) 1x Dedicated IPMI LAN (RJ45) 4x USB 3.2 (Gen 1) 1x VGA 1x UID LED/BMC Reset	2x 10 GBit LAN (RJ45) 2x 100 GBit LAN (QSFP28) 1x Dedicated IPMI LAN (RJ45) 2x USB 3.2 (Gen 1) 1x USB-C 3.2 (Gen 2) 1x RS-232 1x VGA
Power Supply	90 ~ 264 VAC 2x 800 Watt redundant	90 ~ 264 VAC 1200 Watt	90 ~ 264 VAC 2000 Watt	90 ~ 264 VAC 2000 Watt
Chassis	19" 2 U rackmount	19" 4 U rackmount	19" 4 U rackmount	19" 4 U rackmount
Dimensions WxHxD	438 x 87 x 450 mm	430 x 176 x 468 mm	440 x 176 x 468 mm	430 x 177 x 400 mm
Cooling	Active 4x 80 mm fans	Active 2x 120 mm fans 2x 80 mm fans	Active 3x 120 mm fans 2x 80 mm fans	Active 2x 120 mm fans Hybrid cooling
Operating Temperature	0° ~ 50° C	0° ~ 50° C	0° ~ 50° C	0° ~ 35° C

Applications of GPU Server

Generative AI and LLMs

In addition to our new GPU servers, we also offer powerful Generative AI servers that are specially optimized for applications such as **intelligent chatbots, knowledge-based copilots, and visual agents**. As these systems are also based on NVIDIA® GPUs, they ideally complement our portfolio and cover particularly **demanding AI workloads**.



Machine Vision Hardware

With increasing demands on resolution, frame rates, and AI evaluation, existing **image processing and inspection systems** quickly reach their limits. Modern machine vision hardware offers the computing power required for new cameras and **complex algorithms** to operate reliably. This ensures maximum precision in **quality control** and production.



Computer Vision

For applications in **industrial image processing**, video analysis, or the creation of **digital twins**, GPU servers form a powerful basis for fast, parallel data processing. They enable **large amounts of image and video data to be analyzed** efficiently and processed in **real time**. Depending on the application scenario, additional specialized systems and platforms are also available that are optimally tailored to different computer vision requirements.



Simulations

For 3D simulations, computational fluid dynamics (CFD), or **Hardware-in-the-Loop (HiL)** simulations, GPU servers provide a powerful computing platform for **calculating complex models** significantly faster and rendering them realistically. HiL applications in particular benefit from high GPU performance, as simulations and tests must be **performed under real-time conditions**. In addition to GPU servers, we offer other specialized systems and solutions that are specifically designed for HiL and automotive scenarios.

