



Artemis II Rack

NVIDIA® GB300 NVL72 rack

The intelligent foundation for limitless AI scalability

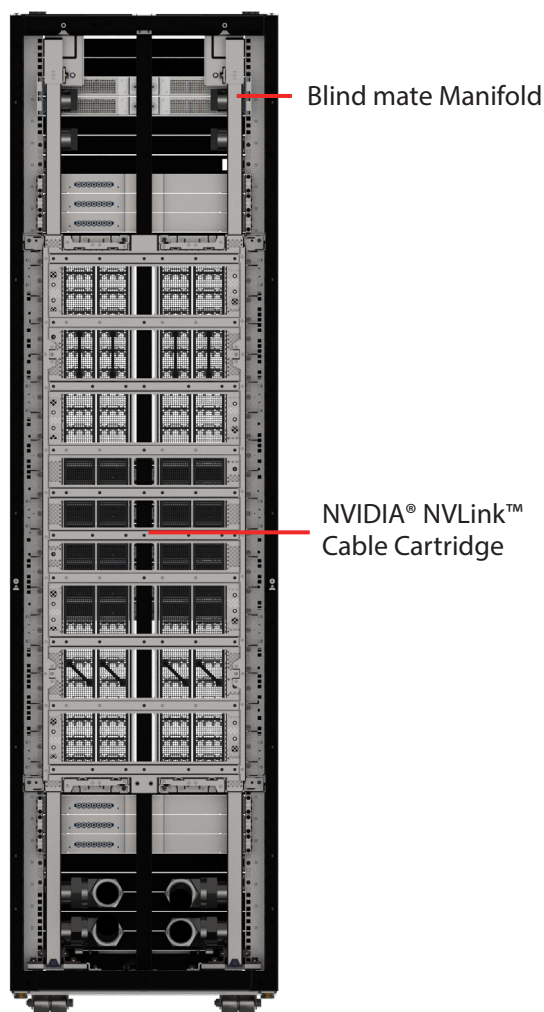
Highlights

- **Comply with NVIDIA® MGX™ 1U architecture**
- **High-power density design for NVIDIA®**
- **Max 136kW for NVIDIA GB300 NVL72 building blocks**
- **Support different liquid cooling solution: sidecar/row based**
- **Inventec self-developed rack mounted CDU to comply with customer requirement**
- **Support Leakage detection solution**
- **Great serviceability with blind mate design in NVIDIA® NVLink™ cable cartridge and manifold**

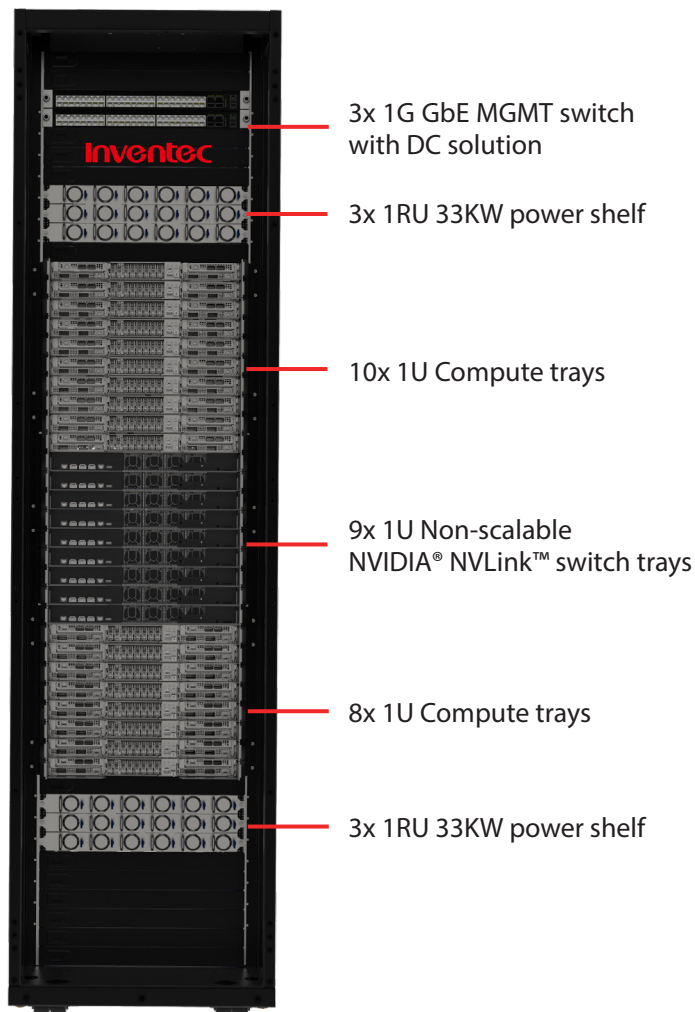
The Inventec Artemis II rack redefines what is possible in AI performance, merging extreme compute power with fluid scalability. Featuring the NVIDIA GB300 NVL72 system and NVIDIA® MGX™ platform, it integrates 36 NVIDIA Grace™ CPUs and 72 Blackwell GPUs into a single, massive-scale compute engine through NVIDIA NVLink™ technology, delivering the speed and capacity to handle tomorrow's most demanding AI challenges.

To further optimize data movement in large-scale deployments, the system incorporates two I/O boards, each carrying two NVIDIA ConnectX®-8 SuperNICs, enabling high-bandwidth, low-latency back-end networking that keeps pace with the GPUs' performance. A fully integrated liquid cooling solution spans the entire rack, maintaining thermal stability and peak efficiency even under continuous, high-intensity AI training and inference workloads. With this architecture, organizations gain the confidence, performance, and scalability to push the boundaries of AI innovation.

Form Factor	W x H x D: 600x 2236x 1068mm (23.62x88.03x 42.05inch), rolling height is 2230mm(87.80inch)
GPU	NVIDIA® GB300 Grace Blackwell Superchip with NVIDIA® Blackwell GPUs
Processor	NVIDIA® GB300 Grace Blackwell Superchip with NVIDIA® 72-core Grace CPU
Networking	NVIDIA® BlueField®-3 DPU 400 Gb/s (North-South) NVIDIA® ConnectX®-8 NIC 800 Gb/s InfiniBand (East-West)
Reference Configuration	18 1RU Compute Trays (4 GPU per Tray) 9 1RU NVL72 NVIDIA® NVLink™ Switch Trays
GPU-GPU Interconnect	NVIDIA® NVLink™ Passive Copper Cable Cartridge
Manifold	Blind Mate Manifold Integrates to 48RU MGX Rack
Cooling	Row based (L2L) /Sidecar (L2A)



Rear



Front



About Inventec Data Center Solutions (Inventec EBG)

Inventec Data Center Solutions (Inventec EBG) was established in 1998 and has been focusing on the design and manufacturing of server systems in Inventec Corporation. Over decades, Inventec EBG has been the key server system supplier of the global branding clients.

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