



P8000IG6



Most Advanced Platform for AI and HPC Workloads

Highlights

- **Modular architecture to provide customers with the best performance platform**
- **Best GPU Communication with NVIDIA® NVLink™ Bridge and NVIDIA® NVSwitch™ on NVIDIA® HGX™ H100/H200/B200 8-GPU system**
- **DDR5 and PCIe Gen5 ready platform design**
- **Inventec-designed switchboard provides maximum bandwidth for GPU direct RDMA**
- **Increase power efficiency and reliability by decoupling 12V and 54V power source**
- **Great serviceability and assembly with the modular design**

As the year of AI blooms, all major tech companies focused on AI products. To go with the AI tide, the AI servers, the heart of all AI products, are more significant than ever. Inventec P8000IG6 was born to solve the eager need for AI product producers. With its extreme flexibility and comprehensively considerate design, it will be a powerful weapon for our customers to approach the future AI demand.

An Extremely Flexible 8U AI server

P8000IG6's modular architecture provides customers with the best performance platform. To fulfill diverse customers' requests, P8000IG6 uses 4th and 5th Gen Intel®Xeon® Processor as its host node, and it adapts not only NVIDIA® HGX™ H100/H200 8-GPU but also NVIDIA® HGX™ B200 8-GPU (by liquid cooling). Moreover, Inventec offers different thermal SKUs including Air-Cooling and Liquid-Cooling solutions to apply the most efficient performance.

Comprehensively Considerate Design

Inventec P8000IG6 has the best GPU Communication with NVIDIA® NVLink™ Bridge and NVIDIA® NVSwitch™ on NVIDIA® HGX™ H100/H200/B200 8-GPU system. In addition, to achieve the system's best performance, the Inventec-designed switchboard bridges the Host node and the GPU node efficiently and offers maximum bandwidth for GPU direct RDMA. Moreover, to enhance power efficiency and reliability, P8000IG6 equips 12V and 54V power sources to supply the Host node and GPU module individually and decouples 12V and 54V power sources to avoid ripple effect.

Great Serviceability with the Modular and Tool-less Design

A modular and tool-less design offers a comfortable maintenance experience for our customers, especially the way Inventec designs P8000IG6 with trays, modular, and tool-less design. The P8000IG6 separates the Host node and the GPU node with different trays and creates several modules for the key parts, such as fans, power supply, NICs, and others, that give our customers a much more comfortable way to maintain the specific parts.



P8000IG6 | NVIDIA® HGX™ GPU Server

Positioning	EIA 310, 19"
Form Factor	8U Rackmount W x H x D: 448x 352x 850 mm (17.63x 13.85x 33.46inch)
GPU Module	Option(1) 8x NVIDIA® HGX™ H100/H200 Option(2) 8x NVIDIA® HGX™ B200 (LC)
Motherboard	4th and 5th Gen Intel® Xeon® Scalable Processor up to 385W
PCIe Slot (from MB)	Option(1) 1x FHHLDW Option(2) 2x FHHLSW Option(3) 1x OCP 3.0 SFF + 1x FHHLSW
PCIe Slot (from Switch)	8 x Low Profile card (PCIeG5x16)
Storage (from Switch)	8 x U.2 NVMe SSD bays
Storage (from MB)	4 x U.2 NVMe SSD bays from CPU 2 x M.2 SATA SSD or NVMe SSD
Management Port	1 x RJ45 for BMC(AST2600) remote management
Cooling	Option(1) Air cooling Option(2) Liquid cooling
Power Supply	3300W 54V PSU, support 3+3 redundancy 2400W 12V PSU, support 1+1 redundancy
Fan	10 x 8086 Fans for GPU cooling 5 x 6056 Fans for CPU cooling

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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