



## P90G6

### A Breakthrough Platform for AI and HPC Applications

#### Highlights

- **Modular architecture to provide customers with the best performance platform**
- **Best GPU-GPU Communication with Nvidia NVlink Bridge**
- **Support up to 10 active or passive GPUs, up to 450W**
- **DDR5 and PCIe gen 5.0 platform ready**
- **Inventec-designed switchboard provides maximum bandwidth for GPU direct RDMA**
- **Multiple power solution (CRPS 2+2/3+1)**
- **Offer powerful thermal solutions, CPU up to 400W, GPU up to 450W**
- **Great serviceability and assembly with the Modular Design**



AI applications have become the most popular topic worldwide, no matter the major tech companies or startups all focused on AI products. How to achieve each target also being the priority of every company. Inventec P90G6 is the GPGPU for prevailing over the challenge with its extreme flexibility and comprehensively considerate design.

#### An Outstanding Flexible 4U GPGPU server

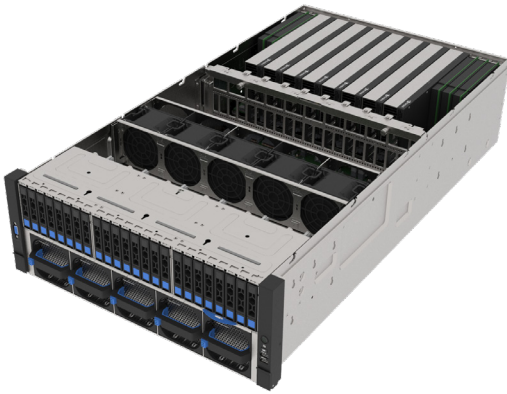
P90G6's outstanding computing performance is based on adopting Intel 4<sup>th</sup> and 5<sup>th</sup> Gen <sup>®</sup>Xeon<sup>®</sup> Processor, and supporting up to 10 active or passive GPUs to offer an extremely flexible system for our customers. Furthermore, Inventec offers different thermal SKUs including Air-Cooling and Liquid-Cooling solutions and multiple power solutions (CRPS 2+2 or 3+1 redundancy) to apply the most efficient performance.

#### Comprehensively Considerate Design

Through Nvidia NVlink Bridge Inventec P90G6 has the best GPU-GPU communication between the GPUs. In addition, Inventec provides two options to bridge CPU and GPUs: the Inventec-designed switchboard and direct-board, and the switchboard can even offer maximum bandwidth for GPU direct RDMA. Moreover, P90G6 equips a comprehensive remote managing and monitoring system to help our customers monitor the system's health status. Also, Inventec supports customized services for baseboard management controllers (BMC) to fulfill diverse customers' needs.

## Great Serviceability with the Modular and Tool-less Design

Inventec designs P90G6 with trays, modular, and tool-less to give a comfortable maintenance experience for our customers. Especially, the P90G6 separates the Host node and the GPU node with different trays and creates several modules for the key parts, such as fans, power supply, NIC, and others, that give our customers a much more comfortable way to maintain the specific parts.



## P90G6 | 4U GPGPU Server

<b>Positioning</b>	EIA 310, 19", 4U
<b>Form Factor</b>	4U Rackmount W x H x D: 447x 175 x 800mm (17.59x 6.8x 31.4inch)
<b>GPU</b>	Active or passive GPUs, Up to 450W
<b>Motherboard</b>	Intel EGS CPU up to 385W
<b>Front I/O &amp; Rear I/O</b>	<ul style="list-style-type: none"> <li>• UID button with blue led</li> <li>• PWR button with red/gen led</li> <li>• System healthy Bi-led (Red &amp; Green)</li> <li>• USB3.0</li> <li>• Video connector (VGA)</li> <li>• Dedicated Gigabit MGMT with RJ45 Port</li> <li>• Type C (uart)</li> </ul>
<b>System I/O</b>	<p><b>Front:</b> Up to 24SFF or 12LFF</p> <p><b>Rear:</b></p> <ol style="list-style-type: none"> <li>Option 1: 1x OCP 3.0 Option 2: 1xFHHLWSW</li> <li>Option 1: 10x FHFLDW GPU+1x FHHLWSW Option 2: 8x FHFLDW GPU+5x FHHLWSW</li> </ol>
<b>Power Supply</b>	CRPS 2+2 / 3+1 Redundancy
<b>Fan</b>	Up to 10x8056

### 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.

### Inventec Corporation (TAO)

No.88, Dazhi Rd., Taoyuan Dist., Taoyuan City 33068, Taiwan  
Tel: 886-3-390-0000 Fax: 886-3-376-2370  
Email: TAOproductsupport@inventec.com

Learn more at <https://ebg.inventec.com/>

