



# K880G6



## 2U1N2P

## 4th Gen Intel® Xeon® Scalable Processors Based Server System

### Highlights

- **Dual 4th Gen Intel® Xeon® Scalable processors**
- **Highly Flexible Performance for Varied Modern Workloads**
- **Extremely scalable with up to PCIe Gen5 x16 DW FHFL GPU card x4**
- **Optional Liquid Cooling**
- **Efficient management system controlled and monitored remotely**

In the era of quick reaction to facing the growing needs of Artificial Intelligence (AI) and deep learning fields, dealing with those heavy and multifarious data processing becomes a prominent subject. By adopting the most powerful 4th Gen Intel Xeon Scalable processor, Inventec comes out with an incredible server for this rapid and varied modern workload. A powerful server with various feature combinations in a revolutionary platform. Based on customers' needs to provide the optimal solution for every customer.

### A Powerful, Scalable, and Flexible 2U Server

In the era of data explosion, every company will face various and complicated data situation, especially companies dealing with end-customer data. Therefore, a scalable and flexible server would be needed to host these applications. Inventec K880G6 is a fully flexible server that provides multiple configurations depending on customer needs. Whether the workload is general compute, heavy storage application or high-performance compute applications, K880G6 flexibility can fulfill all different workload needs with the best performance and cost saving. K880G6 supports various storage media types (SATA/E1.S/U.2/E3.S) and various PCIe peripherals.

Front View



Rear View



## Latest Cooling Design

Inventec provides multiple choices to our customers to decide the suitable server performance, and different combinations need different cooling solutions to provide the best performance. Therefore, Inventec offers two cooling solutions, Forced air, and Liquid cooling, to give our customer flexibility to achieve their goals, ranging from performance, PUE, and TCO perspectives.

## Great Serviceability with the Modular Design

As a thoughtful server design company, Inventec always tries to reduce maintenance OPEX. The modular design of K880G6 provides our customers with an easy and tool-less installation to deal with common issues. Also, K880G6 equips N+1 redundancy for both the power supplies and cooling fans that allow for hot swapping. Moreover, drive support hot swapping as well.

## Management and Monitoring

Managing and monitoring the system remotely is a MUST requirement that provides an efficient system's health status. K880G6 not only can monitor the system through the baseband management controller but also provides a customized software service to make the most suitable product for the customers.

### 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.

# K880G6 | 2U Server System

<b>Positioning</b>	General Purpose
<b>Form Factor</b>	2U 19" Rack Mount W x H x D: 438/447x 87x 850 mm (17.2/17.5x 3.42x 33.4 inch)
<b>Processor</b>	Intel Xeon Sapphire Rapids and Emerald Rapids processor
<b>Memory Slot</b>	32 xDDR5 DIMM Support DDR5 RDIMM/3DS DIMM 32GB/64GB/96GB/128GB Support Sapphire Rapids : 4800 MT/s @ 1DPC, 4400 MT/s @ 2DPC Emerald Rapids : 5600 MT/s @ 1DPC, 4800 MT/s @ 2DPC
<b>PCIe</b>	80 PCIe lanes/Per CPU Total 160 PCIe lanes
<b>Storage</b>	<b>Front IO configuration:</b> Up to 14x NVMe SSD, U.2 or E3.S form factor (40w max), support 2x NVMe/E3.S for each BP Up to 28x E1.S SSD (PCIe Gen5 X2) , support 4x E1.S for each BP Up to 12x 3.5" HDD <b>Inside:</b> Support PCIe/SATA M.2 (2280, 22110) <b>Rear IO configuration:</b> Up to 24x NVMe SSD U.2 (support PCIe Gen5) Up to 12x 3.5" HDD
<b>BMC</b>	AST2600 chipset with 1GB RAM
<b>Security</b>	TPM2.0
<b>Power Supply</b>	CRPS power supply support 100V-240V, 240V HVDC support 1+1 active-active support hot plug
<b>Fan</b>	N+1 redundancy, 6x 6056
<b>Network Controller</b>	Support OCP 3.0 and Smart NIC card

### 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/>

