Inventec Data Center Solutions

K885G6

NVIDIA. AMD EPYC

2U1N2P
4th Gen AMD EPYC™ 9004 Series Processors Based Server

Highlights

- **Support Dual 4th Gen AMD EPYC™ 9004 Series 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**
- **AMD Infinity Guard supported**

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 AMD EPYC™ 9004 Series Processors, 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 K885G6 is a fully flexible server that provides multiple configurations depending on customer needs. Whether the workload is general computing, heavy storage application or high-performance computing applications, K885G6 flexibility can fulfill all different workload needs with the best performance and cost saving. K885G6 supports various storage media types (SATA/E1.S/U.2/E3.S) and various PCIe peripherals.

Front View

Rear View

K885G6 | 2U Server System

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 K885G6 provides our customers with an easy and tool-less installation to deal with common issues. Also, K885G6 equips N+1 redundancy for both the power supplies and cooling fans that allow for hot swapping. Moreover, drive and OCP modules 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. K885G6 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.

Positioning	General Purpose
Form Factor	2U 19" Rack Mount W x H x D: 438/447x 87x 850 mm (17.2/17.5x 3.42x 33.4 inch)
Processor	4th Gen AMD EPYC™ 9004 Series Processors, support maximum TDP 500W CPU cooling solution
GPU	H100 / L40 / L40S / A30 / L20 / 4090
Memory Slot	24 x DDR5 DIMMs 24 DDR5 DIMM Support DDR5 RDIMM/3DS DIMM 32GB/64GB/96GB/128GB/258GB Support 4800 @ 1DPC
PCIe	80 PCIe lanes/Per CPU Total 160 PCIe lanes
Storage	**Front IO configuration:** Up to 16 NVMe SSD, U.2 or E3 form factor (40w max), support 4 NVMe/ E3.s for each BP Up to 16 E1.S SSD (PCIe Gen5 X2) , support 4 E1.s for each BP **Rear IO configuration:** Up to 24x NVMe SSD U.2 (support PCIe Gen5) Up to 12x 3.5" HDD **Internal:** Support PCIe/SATA M.2 (2280, 22110)
BMC	AST2600 chipset with 1GB RAM
Security	TPM2.0
Power Supply	CRPS power supply support 100V-240V, 240V HVDC support 1+1 active-active support hot plug
Fan	6x6056 Fan (dual motors)
Network Controller	Support OCP 3.0 and Smart NIC card