Inventec ® at core

Ever Cost Effective Single-socket Solution

K405G4 -
Highly Scalable
AMD Single Socket Server

The K405G4 server series features a 2U, single–socket server system equipped with latest AMD® EPYC™ Processor Family and up to six standard PCIe expansion slots. This allows K405G4 the great scalability in ever effective cost, without compromising performance and features of a traditional two socket system, presenting unmatched compute, memory, IO and security capabilities to mainstream workloads. K405G4 could perfectly meet the emerging scale–out demands of datacenter with increasing utilization, enabling organizations to right–size for key datacenter workloads in lower TCO. The series presents,

Optimized High Performance

A single AMD® EPYC™ processor provides up to 32 cores, 8 memory channels and 128 PCIe 3.0 lanes. With the industry–leading core count, more VMs and more robustly configured VMs per server are enabled than ever. Whether deploying a single server, implementing a private cloud or enabling a hybrid cloud, K405G4 series strike the perfect balance of cores/threads, memory, IO bandwidth and security to deliver excellent performance for various workloads.
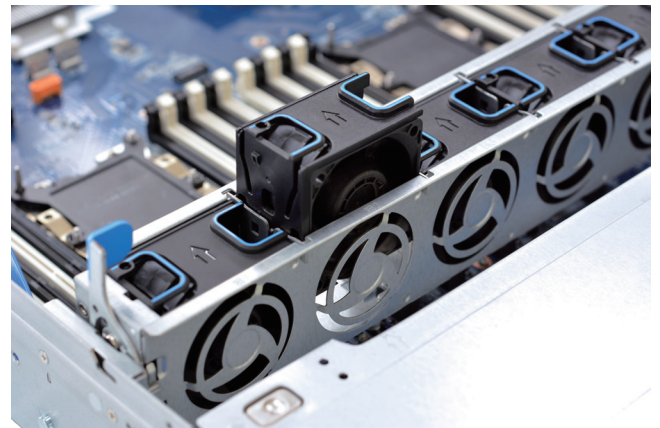
High Scalability

Without the need for additional PCIe switches to get the PCIe lanes required, K405G4 series allows up to six standard PCIe expansion cards, realizing high speed IO connectivity.

Furthermore, without any extra attachment of HBA cards, K405G4 could directly support up to eight U.2 NVMe with sixteen 2.5" SATA drives, or a maximum of sixteen NVMe drives for all NVMe option, enabling streamlined software defined and direct attached storage solutions, applicable for both hot and cold storage. Supported by a variety

Highlights -

- Ground-up AMD® EPYC™ SoC Design
- Right-size Your Datacenter - Single-socket Solution with High Scalability and Storage Capacity
- Multiple Storage Options
- Optimized Serviceability

Inventec ® at core   PCI EXPRESS   DDR4   80 PLUS PLATINUM   AMD EPYC

of HBA/RAID storage mezzanine cards via optional interposer connection, the series offers multiple storage options.

SoC Level Security

With industry's first embedded x86 silicon-level data security, K405G4 series minimize potential attack surfaces and protects software and data with AMD® Secure Root-of-Trust, AMD® Secure Run, and AMD® Secure Move Technologies.

Single Socket Server Cost Benefits for Enterprise Business and Datacenter Applications

Buy only what you need, K405G4 series is widely applicable for database management and analytics, private/hybrid cloud environments, and virtualized infrastructure, meeting the emerging needs of today's software defined datacenters. Right-size your server and datacenter, without extra CPU or socket, no additional heat sink or redundant connectivity components now with K405G4 server systems!

Model Name	K405G4
Positioning	Standard
Form Factor	2U1N rack mount with slide rail
Processor	Single Socket; AMD® EPYC™ Processor Family
Memory Slot	16x DDR4 DIMM slot
Chipset	SoC, supporting 128 PCIe Gen3 lanes
Disk Drive Bay	**Front primary bays:** Option1: 12x 3.5" SATA3 6Gb/s hot-plug drive Option2: 16x 2.5" SATA3 6Gb/s + 8x NVMe hot-plug drive Option3: 16x NVMe hot-plug drive
Expansion Slot	Option1: 6x PCIe Gen3 x8 (FHFL) Option2: 4x PCIe Gen3 x8 + 1x PCIe Gen3 x16 (FHFL)
Network Controller	**Supporting 10GbE/25GbE standard PCIe card**
Storage Controller	**Native support from CPU:** Up to 16x SATA3 6Gb/s Up to optional 16x U.2 NVMe port **Supporting Inventec storage mezz card options via interposer**
System Management	IPMI 2.0 compliant+ KVM with Dedicated LAN
TPM	2.0
Power Supply	1+1 redundancy 800W Platinum
Fan	N+1 redundancy 6x 6038 hot-swap fan

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