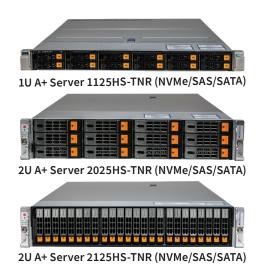


H13 Hyper Systems

Flexible and High Performance for Enterprise Data Centers



Enterprise-focused platform designed for utmost performance and flexibility

Gain high performance, flexibility, scalability and serviceability to demanding IT environments, and to power mission-critical enterprise workloads.

- Dual AMD EPYC[™] 9004 Series Processors
- Up to 6TB DDR5-4800MHz in 24 DIMMs
- Flexible NVMe, SAS, and SATA drive options
- Configurable PCIe 5.0 expansion capabilities with CXL 1.1+ memory expansion
- AIOM slots with OCP 3.0 support
- · Titanium-Level efficiency power supplies

You can't successfully run an enterprise data center with one-off servers dedicated to specific purposes, where inconsistencies, oversights, or configuration errors can imperil application availability. So when we set out to bring our H12 Ultra product line into the future, we upgraded it to a hyper level of performance with even more flexible configurations—yet all based on the same motherboard, firmware, BIOS, and operating system support. Let your servers be hyper, while you relax with a simpler and more easily managed data center.

Introducing H13 Hyper Systems

Our H13 Hyper systems are your new flagship data center systems, certified to run the major enterprise applications while affording you a flexible range of computing, networking, storage, and I/O expansion capabilities. Choose NVMe, SATA, or SAS storage to achieve the number of I/O operations per second (IOPS) your applications need to perform at their best. And use AIOM with OCP 3.0 support for consistent and standard networking capabilities across all of your server deployments.

Every one of our H13 Hyper systems is based on the same H13DSH motherboard with dual AMD EPYC[™] 9004 Series Processors and Up to 6TB DDR5-4800MHz in 24 DIMMs. Consistency means you have only one set of firmware, BIOS settings, and operating system

patches to manage. Every system built on this motherboard is designed for reliability, availability and serviceability so that if a problem occurs, your applications can be back up and running quickly.



Best of all, H13 Hyper systems support the AMD EPYC™ 9004
Series Processors product line, offering up to 96 cores per CPU up to 192 cores per server. The AMD EPYC™ 9004 Series
Processors deliver the fastest integer and floating point
performance in the industry, predicting hyper-fast performance
for your enterprise applications. With a consistent set of features
across the product line, you choose the number of cores and the
clock frequency your applications need, and the rest comes at
no additional expense. The CPU's 128 lanes of PCIe 5.0
bandwidth enables massive amounts of parallel I/O in the
system, and system configurations are available to meet just
about any storage need.

Designed for Enterprise Applications

You need high performance for your enterprise applications. The flexible selection of density and storage capacity gives you a high-performance server for every purpose, including:

- Virtualization and cloud, including virtual desktop infrastructure with GPU acceleration
- Hyperconverged infrastructure

H13 Hyper Systems DATASHEET

- Enterprise applications including database, customer relationship management, and enterprise resource planning
- High performance computing clusters

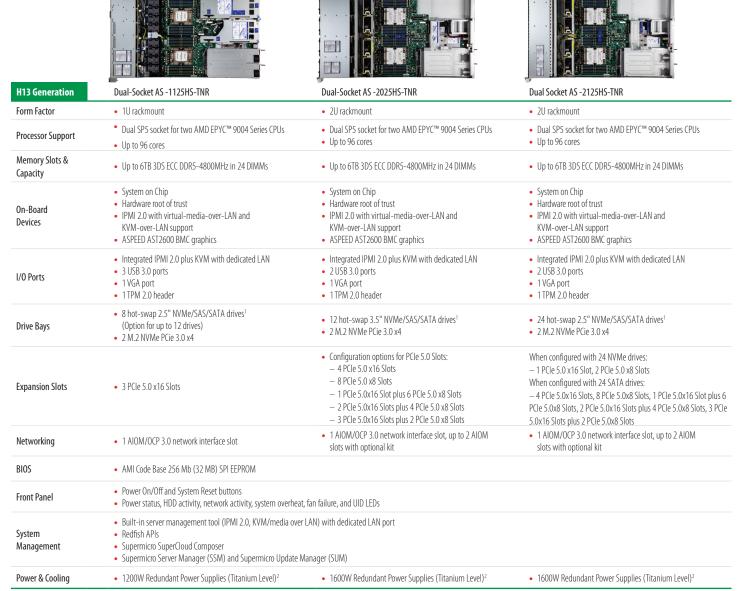
Consistent Deployment

You get consistent, tool-less deployment and maintenance of both the motherboard and the systems themselves. And our versatile motherboard powers all three of our H13 Hyper systems. Each system has configuration options that enable varying numbers of expansion slots and disk drives, simply by ordering or swapping in the appropriate kits. This means that you can have systems tailored to application needs but with complete

architectural consistency. This helps to reduce the chance of errors that can cause downtime, and ease the need for staff to train on multiple server types. With H13 Hyper systems, they are all based on the same infrastructure.

Open Management

Our open management APIs and tools are ready to support you. In addition to a dedicated IPMI port, and a Web IPMI interface, Supermicro® SuperCloud Composer software helps you configure, maintain, and monitor all of your systems using single-pane-of-glass management. If your DevOps teams prefer to use their own tools, industry-standard Redfish® APIs provide access to higher-level tools and scripting languages.



^{*}Certain CPUs with high TDP may be supported only under specific conditions. Please contact Supermicro Technical Support for additional information about specialized system optimization

^{1.} Optional parts are required for NVMe/SAS/SATA configurations

 $^{2. \} Full \ power supply \ redundancy \ is \ based \ on \ configuration \ and \ application \ load$