

The Hitachi Unified Compute Platform 2000 complements the UCP family of converged systems. This “right-sized” value-based system is easy to deploy and manage. Customizable and flexible, it starts small and scales to meet changing business demands.

DATASHEET

Hitachi Unified Compute Platform 2000

Simple, Flexible, Right-Sized System Transforms IT Operations, Provides Agility, Efficiency and Business Alignment

As IT managers face growing demands for faster delivery of business services, they also experience mounting complications and rising costs as they struggle to manage disparate technology resources.

Midmarket, enterprise, departmental and managed service providers (MSPs) are looking for a simpler, more flexible, automated and dynamic converged infrastructure that better aligns IT resources with strategic business needs. Hitachi Unified Compute Platform 2000 (UCP 2000) combines compute, networking and storage resources into a converged infrastructure system to answer these challenges.

Simplify and Transform

For growing organizations that rely on virtualization technology, Unified Compute Platform 2000 simplifies and transforms IT operations. UCP 2000 enhances business agility and allows IT to flexibly build, deploy and manage converged infrastructure through an agile operational framework, to respond more quickly and efficiently to changing business demands. Built with high-density Intel-based 2U rackmount servers, highly

available Hitachi Virtual Storage Platform (VSP) shared storage, and Brocade top-of-rack switches, UCP 2000 is designed for growth and flexibility. UCP 2000 offers a simple, low-risk path to new applications and technology adoption with consistent, predictable operations across VMware, Microsoft®, OpenStack and bare metal environments.

UCP 2000 Benefits

UCP 2000 offers organizations three main benefits:

- **Start right.** Begin with right-sized, value-based entry-level systems that are easy to deploy and manage. UCP 2000 is pretested and factory built to meet your specific needs. It can be ready to run applications quickly, shortening time to production.
- **Keep it simple.** Enjoy system efficiencies inherent in Hitachi's highly available VSP, Intel-based high-density servers and Brocade top-of-rack switches.
- **Grow smart.** This flexible infrastructure starts small and scales to keep up with changing business demands. Independently scale up by adding compute, storage and network capacity and performance as needed.

Solution Architecture

The UCP 2000 architecture consists of modular building blocks. Its components scale independently and provide organizations

with greater configurability, flexibility and agility. The solution is ideal for general-purpose applications, virtual desktop infrastructures (VDIs), databases and test/dev. UCP 2000 is easily managed by Hitachi Unified Compute Platform Advisor (UCP Advisor) intelligent orchestration software and leverages third-party ecosystem integrations.

UCP 2000 incorporates rack optimized servers for solutions (Intel-based, rackmount), a choice of VSP G series and VSP F series all-flash arrays, a Brocade Ethernet and Fibre Channel switches with optional NSX support and HDS value-added software. The Intel x86 rack servers provide the foundation for innovation and account for the majority of all servers in virtualized data centers, driving down cost and providing higher performance. VSP G series and VSP F series storage systems provide industry-leading features and performance. Bottomless backup for applications and virtual machines is provided by Hitachi Data Ingestor and Hitachi Content Platform value-added software. UCP 2000 provides midmarket, enterprise, departmental and managed service providers (MSPs) with enterprise-scale efficiency and agility not found in other solutions. Rest assured a single call to the HDS support organization ensures 24/7 end-to-end support.

**Innovative
Applications
Solutions**

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Summary

The UCP 2000 architecture consists of modular building blocks of compute and storage components that scale independently, providing organizations with greater configurability, flexibility and scalability. Designed and tested to support multiple virtualization environments, including VMware, Microsoft and

Red Hat KVM, UCP 2000 provides a flexible, low-risk path to converged infrastructure. The solution is ideal for general-purpose applications, VDI, databases and test/dev. UCP 2000 targets midmarket, enterprise, departmental and MSP environments with a simple, agile path to new application and technology adoption with reduced risk.

Next Steps

For more information on how Hitachi Unified Compute Platform 2000 can provide a simple path toward new application and technology adoption, contact your Hitachi Data Systems representative or visit HDS.com.

HITACHI COMPUTE PLATFORM 2000 SPECIFICATIONS

Hardware		Software	
Platform	<ul style="list-style-type: none"> Rack optimized server for solutions, 2U four node (Intel-based, rackmount), with fully redundant power supplies (200-240V). Scales from one to 32 servers (128 nodes). 	Hypervisor	<ul style="list-style-type: none"> VMware ESXi. Microsoft® Hyper-V®. OpenStack with RedHat KVM.
Compute	<ul style="list-style-type: none"> Two Intel E5-2620v4 8C, E5-2650v4 12C, E5-2680v4 14C Broadwell CPUs. 196-512GB of memory. Two 10GbE dual-port OCP and mezzanine options (PCIe 3.0 x8). Optional dual-port 40/10GB Mellanox network I/F card. One 8GB dual-port Fibre Channel host bus adapter (PCIe 3.0 x16, low profile). 	Hitachi Software: Included	<ul style="list-style-type: none"> Hitachi Unified Compute Platform Advisor (UCP Advisor).
Storage	<ul style="list-style-type: none"> Protocol support: <ul style="list-style-type: none"> Fibre Channel. iSCSI (VMware and OpenStack). NFS (VMware only). Hitachi Virtual Storage Platform (VSP) family systems, including: <ul style="list-style-type: none"> VSP G200. VSP G400. VSP G600. VSP F400. VSP F600. 	HDS Value-Added Software: Optional	<ul style="list-style-type: none"> Hitachi Automation Director. Hitachi Cloud Automation Manager. Hitachi Content Platform. Hitachi Data Ingestor. Hitachi Data Instance Director. Hitachi WAN Optimizer. Hitachi Virtual Infrastructure Integrator.
Network	<ul style="list-style-type: none"> Brocade 6940 or 6740 (LAN). Brocade 6505 (SAN). Brocade 7450 (management). 		

HDS at a Glance

Digital transformation improves enterprises' cost-efficiency, time to market, customer experience, and revenue through better data management. Hitachi Data Systems uses data to power the digital enterprise.



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