Increase Flexibility and Agility with Seamless Hybrid Cloud

Hitachi Unified Compute Platform For Microsoft Azure Stack HCI to transform your hybrid cloud

**Edge-Core-Cloud Extensibility**
Effortlessly and reliably run edge workloads on Hitachi UCP and manage your hybrid cloud with Azure Arc

**Effective Hybrid Cloud**
Run VM and SQL based Apps, VDI, Kubernetes Clusters with AKS and Azure Services on premises with cloud-based efficiency

**Reliable Branch/Edge Processing**
Run your critical edge applications on Hitachi UCP for Azure Stack HCI with enterprise grade security and scalability

Hitachi UCP with Hitachi Advanced Server HA810 G2/HA820 G2 validated nodes for Azure Stack HCI, provides a comprehensive HCI solution for deploying and managing SQL, virtualized and containerized workloads in Azure hybrid cloud service.

**Hitachi’s validated nodes for Azure Stack HCI**
Hitachi Advanced Server HA810 G2 & HA820 G2 validated nodes for Azure Stack HCI are rackmount servers supporting Intel® Xeon® Scalable Processor, with high resiliency and larger internal storage. HA820 G2 has a larger internal storage.

1U Server - HA810 G2
2U Server - HA820 G2
SOLUTION PROFILE
Increase Flexibility and Agility with Seamless Hybrid Cloud

Solution Overview

Hitachi Advanced Server HA810/HA820 G2 validated nodes for Azure Stack HCI, combined with Azure Arc integration, provide a powerful, scalable, and secure hybrid cloud solution for businesses of all sizes. This comprehensive solution enables organizations to modernize their data center infrastructure, streamline hybrid cloud management, and maximize the efficiency of their IT resources. Below are the solution components:

Unified Compute Platform
UCP HA810/HA820 G2 validated nodes for Azure Stack HCI provide a high-performance, reliable foundation for organizations seeking to upgrade their on-premises infrastructure. Built on industry-leading hardware, Hitachi advanced servers deliver robust compute power and storage capacity tailored to the needs of modern workloads.

Azure Stack HCI
As Microsoft’s hyper-converged infrastructure solution, Azure Stack HCI enables businesses to run virtualized applications on-premises while seamlessly integrating with Azure for cloud services. This hybrid cloud platform simplifies management and deployment, ensuring data security and compliance across diverse environments.

Azure Arc
Azure Arc extends Azure’s management capabilities to resources running on-premises, at the edge, or in multi-cloud environments. With Azure Arc, businesses can monitor, manage, and apply consistent policies across their entire hybrid infrastructure, reducing operational complexity and ensuring a unified governance model.

Unify Your Clouds: Azure Arc & Hitachi UCP for Azure Stack HCI - One Control Plane, Boundless Possibilities.

Reliable Branch Office Modernization:
Leverage Hitachi UCP, optional networking, GPUs and Arc-enabled services for agile, scalable Reliable Azure Stack HCI deployments.

Hybrid Application Development:
Accelerate app lifecycle management in Azure and deploy those apps with Azure Arc on the edge footprint with Hitachi UCP.

High Performance Edge Computing:
Harness Hitachi UCP and Azure Arc for real-time data processing and performant SQL databases with portal management.

Disaster Recovery and Business Continuity:
Integrate Hitachi UCP with Azure Site Recovery, Backup, and Arc for robust recovery strategies.

Intelligent Resource Scaling:
Utilize Azure Arc for data-driven decisions with scaling and optimization across on-prem and edge Hitachi UCP nodes.

Extend with Hitachi Edge Portfolio:
Leverage Hitachi’s broad range of additional portfolio offerings including software defined object storage for edge.

Streamlined Policy Enforcement:
Utilize Azure Arc for consistent security and compliance policies across Hitachi UCP hosted apps, VMs and containers services.

In-Depth Monitoring and Insights:
Leverage Azure Arc’s centralized monitoring for performance insights on Hitachi UCP deployments.

Cloud-Native Workload Support:
Run cloud-native applications with Azure Kubernetes Services (AKS) on Hitachi UCP and extend Azure services with Azure Arc.
Hitachi Advanced Server HA810 G2

Hitachi Advanced Server HA810 G2 validated nodes for Azure Stack HCI is a 1U rackmount server with excellent performance supporting Intel® Xeon® Scalable Processor, with high resiliency and scalability. The HA810 G2 is a highly capable HCI compute solution for hybrid cloud solutions in Edge, Core, Containers, to Cloud environments.

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<th>Model</th>
<th>All-flash configuration (SAS SSD)</th>
<th>Hybrid Configuration (NVMe/SAS SSD)</th>
<th>Hybrid Configuration (NVMe/SAS HDD)</th>
<th>Hybrid Configuration (SAS SSD/SAS HDD)</th>
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Hitachi Advanced Server HA820 G2

Hitachi Advanced Server HA820 G2 validated nodes for Azure Stack HCI is a 2U rackmount server with excellent performance supporting Intel® Xeon® Scalable Processor, with high resiliency and larger internal storage. The HA820 G2 is a highly capable HCI compute solution for hybrid cloud solutions in Edge, Core, Containers, to Cloud environments.

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Challenges Addressed

- **Infrastructure Modernization**
  Deploy infrastructures using Hitachi advanced compute solutions.
- **Data Growth Management**
  Manage data growth effectively with customized storage options.
- **Hybrid Cloud Integration**
  Effortlessly connect on-premises apps to Azure services.
- **Streamlined Operations**
  Enhance hybrid cloud management, security, and compliance.
- **Workload Adaptability**
  Foster growth with robust infrastructure for evolving demands at edge/branch
**Solution Key Benefits:**

**Performance Excellence**
Deliver high-performance, optimized Azure Stack HCI with Hitachi Vantara's nodes.

**Hybrid Cloud Simplification**
Streamline management and operations with seamless Azure integration.

**Future-Ready Scalability**
Adapt easily to evolving business requirements.

**Robust Security**
Protect data across locations with comprehensive measures.

**Accelerated Innovation**
Foster innovation using on-demand Azure application services.

**Legacy App Consolidation**
Efficiently run and maintain legacy apps on Azure Stack HCI.

**Resilient Scalability**
Expand capacity and ensure fault tolerance with Azure Stack HCI.

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**About Hitachi Vantara**
Hitachi Vantara, a wholly-owned subsidiary of Hitachi Ltd., delivers the intelligent data platforms, infrastructure systems, and digital expertise that supports more than 80% of the Fortune 100. To learn how Hitachi Vantara turns businesses from data-rich to data-driven through agile digital processes, products, and experiences, visit [hitachivantara.com](http://hitachivantara.com).

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**Contact Us**
Let us help you modernize and futureproof your hybrid multi-cloud infrastructure.