

# Cisco UCS Invicta C3124SA Appliance



## Cisco UCS Invicta C3124SA Appliance Overview

The Cisco Unified Computing System™ (Cisco UCS®) Invicta C3124SA Appliance (Figure 1) delivers powerful, easy-to-manage application acceleration for data-intensive workloads. With the Cisco UCS Invicta C3124SA, customers can dynamically manage the mix of performance and efficiency they need to support real-time decision-making that can move their business forward faster.

Cisco's application-centric approach allows customers to quickly and efficiently configure IT infrastructure to support I/O-intensive applications, real-time analytics, and decision-making. Consider the impact on your business if transactions, analysis, batch jobs, desktops, and other important processes consistently perform at maximum speed. The Cisco UCS Invicta C3124SA dramatically improves the performance of many types of workloads, including analytics and intelligence, batch processing, email, online transaction processing (OLTP), video, virtual desktops, database loads, and high-performance computing (HPC).

**Figure 1.** Cisco UCS Invicta C3124SA Appliance



## Why This Offering?

Workload performance determines the speed of business. Many of today's mission-critical applications, including data warehousing, Microsoft Exchange and SharePoint, virtual desktop infrastructure (VDI), and a variety of business analytics and web-based transaction use cases, rely on near-instantaneous access to data and files. These applications require fast data access to work effectively, and they must be able to read and write data quickly.

The Cisco UCS Invicta C3124SA enables companies to convert data to information sooner, yielding vastly improved business agility. Companies use the Cisco UCS Invicta C3124SA to achieve their business performance goals while reducing energy consumption and conserving data center floor space.

## Cisco UCS Invicta OS

The Cisco UCS Invicta OS is industry-leading operating software explicitly designed to use NAND flash memory to sustain high throughput, a high rate of I/O operations per second (IOPS), and ultra-low latency while overcoming the write performance and longevity challenges typically associated with multilevel-cell (MLC) flash memory. The Cisco UCS Invicta OS accelerates the delivery of enterprise data by 10 times while using flash memory to reduce energy costs in a platform that consumes less data floor space.

The software is designed to enable customers to scale from a single device to many devices and to organize devices to meet customers' performance capacity and operation objectives. Because of the unique design of the Cisco UCS Invicta OS, customers can combine a variety of workloads without concern that performance may be degraded.

## Benefits Delivered

- Application consolidation to reduce licensing and maintenance costs
- Reduced power consumption
- Reduced overall energy costs
- Reduced data center floor space consumption
- Very fast product deployment
- Application acceleration without code modifications
- Lower operating expenses

## Why Cisco?

Cisco changed the data center marketplace with the Cisco UCS platform by accelerating deployments, eliminating system complexity, and reducing management time. With the addition of the Cisco UCS Invicta C3124SA Appliance, Cisco offers a new level of application performance by bringing persistent memory to the Cisco UCS architecture. Like computing resources, solid-state memory can now be deployed rapidly to provide immediate gains in application performance, with reduced deployment time and management overhead. With this solution, customers can use the Cisco UCS management suite (Cisco UCS Central Software, Manager, and Director) to deploy, organize, and monitor Cisco UCS resources to best meet their business requirements.

## For More Information

For additional information about Cisco® Unified Computing Services, visit <http://www.cisco.com/en/US/products/ps10265/services.html>.