

HP Integrity NonStop servers for communications, media, and entertainment



With their simplicity, agility, and value, Integrity NonStop servers help you achieve your business goals.

Long a bastion of dial-tone reliability and rock-solid stability, the telecommunications industry now finds itself carried aloft by persistent winds of change. It's not just that a fundamental infrastructure change from switch-based to data-based networks is taking place, or that fixed and mobile communications are converging, or that increasingly sophisticated customers have an insatiable appetite for advanced features and functions, enabled by new technology. It's not just that merger and acquisition activity is heating up, or that *everybody*—from traditional service providers and cable companies to entertainment giants—is getting into the act by providing voice and data services, voice over Internet Protocol (VoIP), TV service, text messaging, mobile payments, Internet service, music downloads, photo and video applications, and more. It's not any one of these factors; it's all of them—all together, and right now.

Today, the discrete communications, media, and entertainment (CME) sectors are coalescing into a multidimensional, expanded market that presents both immense challenges and incredible opportunities. This new market demands robust computing platforms that meet these stringent new requirements while delivering the power and flexibility that are needed to support a broad mix of real-time solutions. It also calls for choice in terms of availability, scalability, performance, and cost so that IT systems can be appropriately matched to business demands.

Servers to meet your distinct needs

In response to these market dynamics, HP now offers four distinct HP Integrity NonStop servers for the CME industry that provide options to meet the different needs of our customers worldwide: HP Integrity NonStop NS16000CG, NS5000CG, NS5000T, and NS3000AC Servers. All four platforms are built on the industry-standard Intel® Itanium® 2 processor, which allows HP to take advantage of the latest advances in microprocessor technology.

HP Integrity NonStop NS16000CG and NS5000CG Servers are designated as “carrier-grade” servers and meet Network Equipment Building System (NEBS) spatial and environmental criteria, including seismic bracing; HP Integrity NonStop NS5000T and NS3000AC Servers use a commercial enclosure. From the entry-level models to the high-end models, Integrity NonStop servers offer a broad range of options that meet the needs of cost-conscious as well as performance-demanding users.

HP Integrity NonStop NS16000CG Server

HP NonStop technology has a long and proud history in the telecommunications industry, powering key solutions for major providers worldwide. At the high end of the Integrity NonStop server family is the HP Integrity NonStop NS16000CG Server. The Integrity NonStop NS16000CG Server, which is built on the same HP NonStop Advanced Architecture (NSAA) as the commercial Integrity NonStop NS16000 Server, is the best choice for high-value applications that require the highest levels of availability and data integrity.

The NSAA provides a new way to build fault-tolerant systems that leverage industry-standard building blocks and add unique value. Standards-based programming and manageability help lower costs, while the extensible architecture allows easy, quick, and cost-effective growth for expanding markets. The Integrity NonStop NS16000CG Server is ideal for the most mission-critical applications.

Integrity NonStop NS16000CG Servers provide

- NSAA Dual Modular Redundancy
- The highest level of availability for telco servers
- Bulletproof data integrity
- Twice the performance of NonStop SS88000SE Servers

HP Integrity NonStop NS5000CG and NS5000T Servers

The midrange Integrity NonStop NS5000CG and NS5000T Servers are built on the HP NonStop Value Architecture (NSVA). Combining industry-standard, commodity hardware with value-added hardware and software fault tolerance, these servers offer outstanding price/performance with the proven reliability of NonStop technology. The Integrity NonStop NS5000CG and NS5000T Servers are an excellent choice for applications that require the best value pricing.

Whether you are a small company or an emerging economy—or even an existing high-end system user that requires real-time, 24x7 operations but wants to move some applications to more cost-effective platforms—the midrange Integrity NonStop NS5000CG and NS5000T Servers meet your needs. These lower-priced configuration options are ideal for telcos that require real-time access to critical business applications.

Integrity NonStop NS5000CG and NS5000T Servers provide

- Software fault tolerance and hardware redundancy
- Versatility and are available in both carrier- and commercial-grade enclosures
- Industry-standard hardware that offers outstanding price/performance
- Nearly two times the performance of NonStop S88000SE Servers

HP Integrity NonStop NS3000AC Server

The HP Integrity NonStop NS3000AC Server is an entry-level, AC power-based server tailored for the telecommunications industry. Based on the HP NonStop Value Architecture (NSVA), the Integrity NonStop NS3000AC Server adds another option in price/performance levels.

Ideal for telecommunications applications that depend on high system availability, the Integrity NonStop 3000AC Server exploits the traditional advantages of NonStop servers with fully integrated hardware and software, which provide application availability and fault tolerance right out of the box.

For small carriers in emerging markets, Integrity NonStop NS3000AC Servers meet the needs of complex application requirements, supporting businesses as they evolve and as their demands grow. These servers can be purchased in configurations of either two or four Intel Itanium 2 processors. In addition, the Integrity NonStop NS3000AC Server is capable of hosting point solutions at large carriers.

Integrity NonStop NS3000AC Servers provide

- Software fault tolerance and hardware redundancy
- The high standards of Integrity NonStop servers in an AC power input
- Prepackaged hardware options to meet varying needs and simplify product ordering
- Industry-standard hardware that provides outstanding price/performance
- Improved performance over NonStop S88000SE Servers

New technology that keeps you connected for competitive advantage

HP keeps you connected with richer, simpler, and more personalized services by allowing you to integrate your business processes, link digital content and communications networks, and capitalize on the explosion of new and exciting devices for entertainment, information, and communication.

The success of your business depends on your ability to deploy solutions that enhance return, mitigate risk, improve performance, and increase agility. The HP Integrity NonStop server family helps you achieve these goals by providing simplicity, agility, and value.

HP's telecommunications, media, and IT expertise puts us in a unique position to deliver value to the growing CME ecosystem. Standards-based HP Integrity NonStop servers are designed specifically for this fast-moving market. They support the real-time solutions of today and tomorrow, and provide the availability, scalability, and cost features that you need to drive even greater competitive advantage.

Integrity NonStop servers designed for the CME sector meet your high-level and rapidly changing needs.

HP Services

HP's end-to-end service solutions, built on the Solution Lifecycle (SLC) process, offer consistent quality and service levels for the Integrity NonStop servers. The SLC process helps to achieve rapid productivity and maximum availability by examining specific needs at each of five distinct phases (Plan, Design, Integrate, Install, and Manage) and then designing solutions based upon those needs. We offer three different service solutions designed to meet customer needs:

HP Critical Service Solution

- Startup and Deployment Services—build the solution to your exact specifications, complete the installation, and make the solution application ready
 - Assessment and Design Services—define requirements and translate your business and technical needs into a solution that melds the necessary hardware and software
 - Deployment Management Services—up-front project coordination from HP
 - Education Services—training curricula relevant to needs and existing expertise based upon a needs analysis
- HP Critical Service—comprehensive, ongoing support designed to help minimize the business impact of downtime on mission-critical applications

HP Proactive Service Solution

- Startup and Deployment Services
- HP Proactive 24 Service—integrated hardware and software support, including proactive and reactive services to improve stability and availability throughout your IT environment

HP Foundation Service Solution

- Startup and Deployment Services
- HP Support Plus 24 Service—integrated hardware and software support services designed specifically for your technology

For more information: www.hp.com/services/nonstop

Find out more

For more information about HP Integrity NonStop servers and their applications to the CME industry, visit: www.hp.com/go/nonstop/cme

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