



Overview

Telecommunication service providers require cost-effective and high-performance carrier-grade solutions. That's the rationale behind the HP Integrity cx2600 server, the first Intel® Itanium™ Processor Family-based server specifically designed for the intense demands of the telecommunications industry. The HP Integrity cx2600 server meets the strict durability and reliability requirements of central office computing, while delivering the highest levels of performance in the industry. And because the HP Integrity cx2600 is a true carrier-grade platform, it is ideally suited for media gateways, signaling gateways, media servers and softswitches.

Purpose-built for the harshest demands of the telecom environment

The HP Integrity cx2600 server is designed specifically for demanding telecom environments. The compact 4U form factor optimizes rack-mount density. Scalability is assured for both existing and next-generation services. And the server is Network Equipment Building System (NEBS) Level 3-certified, meeting and significantly exceeding the severe reliability and environmental requirements demanded by telecom customers. In further recognition of the specific needs of telecom deployments, the server has been derived from the HP Enterprise Server rx2600, which means you can develop and deploy on both carrier-grade and enterprise platforms with the same architecture.

Simply a better choice

For reliability, compatibility, scalability and affordability, the carrier-grade HP Integrity cx2600 server is the right choice for NSPs, NEPs and ISVs building the next-generation of telecommunications infrastructure.

The HP Integrity cx2600 server offers more:

- Lower cost of acquisition and operation
- Easy integration with existing infrastructure
- Hardened for the most demanding telco environments
- Impressive scalability, reliability and high availability
- Concentrated computing power in a small footprint
- Supports multiple operating environments
- Open standards for greater flexibility and cost savings
- Protection of investment capital

- Dynamic resource optimization for utmost efficiency
- Reduced maintenance
- Vibrant ecosystem of partners and developers

System specifications

- Integrated 4U/177 mm (7.0") high X 508 mm (20") deep X 434.6 mm (17.11") wide, NEBS level 3-compliant servers with the HP-X zx1 chip set
- One 1.3 GHz, Itanium 2 processor (Madison) with 3 MB integrated level 3 cache, expandable to two processors
- Support for up to 12 PC2100 ECC Registered DDR266A SDRAM: maximum 24 GB of memory
- Supports up to three hot-swap Ultra320 Small Computer System Interface (SCSI) hard disk drives (36 GB/10K RPM, 73 GB/15K RPM, and 146 GB/10K RPM)
- One external shielded Ultra320 SCSI port Very High Density Cable Interconnect (VHDCI) connector
- Intelligent Platform Management Interface (IPMI) 1.0 Compliant
- Peripheral Component Interconnect Input/Output (PCI I/O) bus: supports 4 full-length 64 bit/133 MHz PCI-X slots
- DC power supply with the option of adding a second hot-plug power supply
- Core I/O interconnect:
 - 10/100/1000BT LAN
 - 10/100BT LAN
 - Ultra320 SCSI
 - 10/100BT management LAN
 - VGA
 - USB

Features

- NEBS level 3 certified
- Documentation and diagnostics on CD-ROM

- HA features include:
 - N+1 redundant power supplies
 - N+1 fans
 - ECC on memory and caches
 - Memory chip spare
 - Automatic deconfiguration for memory or processors
- Operating systems:
 - HP-UX 11i Version 2 (March 2004)
 - Linux
- One-year onsite, next-business-day warranty
- Three-year sales life; five-year support life from product end of life

Availability

January 2004

HP advantage

Telecommunications solutions are highly complex, and service and equipment providers alike must deliver even more innovative services while keeping customers loyal and insulated from the complexities behind the services. In order to achieve this, service and equipment providers need strategic partners who can do more. HP offers a range of targeted, seamless products, solutions and services that can be delivered quickly and efficiently. HP systems are open and flexible, empowering customers to customize or create value-added services. By working with HP, service and equipment providers can save money, accelerate service deployment schedules and ensure service integrity. This approach lets our customers place the focus where it belongs—on their subscribers.

HP focuses more than 25 years of telecommunications expertise into a powerful integrated team, the Network Service Provider Business Unit (NSPBU). The NSPBU, along with 500 valued solutions partners, assists the world's top 200 service and equipment providers, and meets the voice and data needs of hundreds of millions of wireless and wireline subscribers.

With solutions, technologies and services including: HP OpenCall and HP OpenView telecommunication capabilities arrayed across network infrastructure, network services, operations and business support, mobile and rich-media solutions, and end-user access, HP is a major player that is leading change in the network and service provider industry.

For more information, go to: www.hp.com/communications

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