



IBM IntelliStation Workstations  
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## IBM IntelliStation POWER Workstation Overview

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### IBM IntelliStation POWER 265



#### IBM workstations POWER up with IntelliStation POWER

IBM has introduced a pivotal member of its workstation line, the IntelliStation® POWER 265. This is the first RISC/AIX® workstation from IBM to debut under the unified IntelliStation banner, complementing the popular IntelliStation Pro line featuring Intel® processors. Both the Pro and POWER lines embody the IntelliStation workstation commitment to systems designed to provide superior application performance, business-critical reliability, and certified compatibility with leading technical applications. IBM will continue to support our customers with best-of-breed solutions in the environment of their choice—Microsoft® Windows®, IBM AIX, and leading Linux® distributions—or any combination of these operating systems.

#### Expand . . .

The IntelliStation POWER 265 is built for scalability, with single or dual POWER3™-II 64-bit processors at 450 MHz, 4MB of ECC L2 cache, up to 8GB ECC memory (512MB standard), 5 PCI slots, 4 or 10 bay (with optional SCSI Backplane) tower design, and dual channel Ultra3 SCSI with internal storage up to 291.2GB.<sup>1</sup>

#### . . . and visualize:

#### IntelliStation POWER 265 eclipses Sun, humbles HP in UNIX® benchmarks

Ideal for mid- to high-end MCAD, front-end graphic processing and other floating-point-intensive applications, the IntelliStation POWER 265 with GTX6500P graphics convincingly beats comparably configured HP 3700 and Sun Blade 1000 workstations in CATIA V4 benchmarks.<sup>2</sup> A new generation of IBM 3D graphics technology—the GXT4500P and GXT6500P with 128MB unified frame buffer—delivers up to a 15-20% boost in performance over the GXT4000P/6000P adapters, at a new lower price. Both PCI graphics accelerators feature analog and digital output, 24-bit double buffer with resolutions up to 2048 x 1536 at 60 Hz, and API support for OpenGL 1.2.1, graPHIGS, and X11. Advanced 3D features include an on-board geometry accelerator, hardware lighting,



24-bit Z-buffer, 4/8-bit overlay, 8-bit double buffered Alpha, 8-bit stencil, up to 110MB texture memory, dual texture, and 3D texture. The GXT6500P has an additional geometry and lighting processor that further increases performance.

### **Maximize uptime**

Reliability, data security, and connectivity are priority design points of the IntelliStation POWER 265. Support for AIX 4.3.3 and AIX 5L™ provides a highly stable foundation for mission-critical applications. This robust, scalable UNIX operating system integrates easily with Linux, helping to ensure flexible solutions for your business. Implementing a host of interfaces including dual 10/100 Mbps and Gigabit Ethernet, ATM (fibre and UTP), X.25 and SDLC protocols, the IntelliStation POWER 265 is ready to collaborate across the enterprise and around the world.

Standard dual hot-plug power supplies (with optional redundant third power supply), optional hot-swappable hard disks, hot-plug cooling fans, Light Path Diagnostics™, and an internal RAID 5 option (unique in its class) help ensure IBM server-class system availability. First Failure Data Capture—the advent of IBM's Project eLiza™ self-managing/self-healing technologies—provides real-time error information to expedite service calls and help maximize productivity.

### **More IBM Value**

The IntelliStation POWER 265 includes renowned IBM service and support, backed by a 24 x 7 one-year limited warranty with onsite service.<sup>3</sup>

For more information, visit:

<http://www-1.ibm.com/servers/eserver/pseries/hardware/workstations/>

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1. GB=1,000,000,000 bytes when referring to storage capacity. Accessible capacity is less.

2. Jan. 2002 CATIA V4.2.2 R2 TAGITT results. Each system configured with 512MB memory, 9.1GB SCSI hard drive, and CD-ROM drive. HP 3700 at 750 MHz with fx<sup>5</sup> or fx<sup>10</sup> pro adapter; Sun Blade 1000 at 900 MHz with Expert3D adapter. All performance data contained in this publication was obtained in a specific environment, and is presented as an illustration. The results obtained in other operating environments may vary.  
[http://www-1.ibm.com/servers/eserver/pseries/solutions/plm/plm\\_resources.html](http://www-1.ibm.com/servers/eserver/pseries/solutions/plm/plm_resources.html)

3. For information regarding the IBM Statement of Limited Warranty, call 1 800 772-2227. Copies available upon request. With respect to onsite service, a technician is sent after IBM attempts to diagnose and resolve the problem remotely.

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