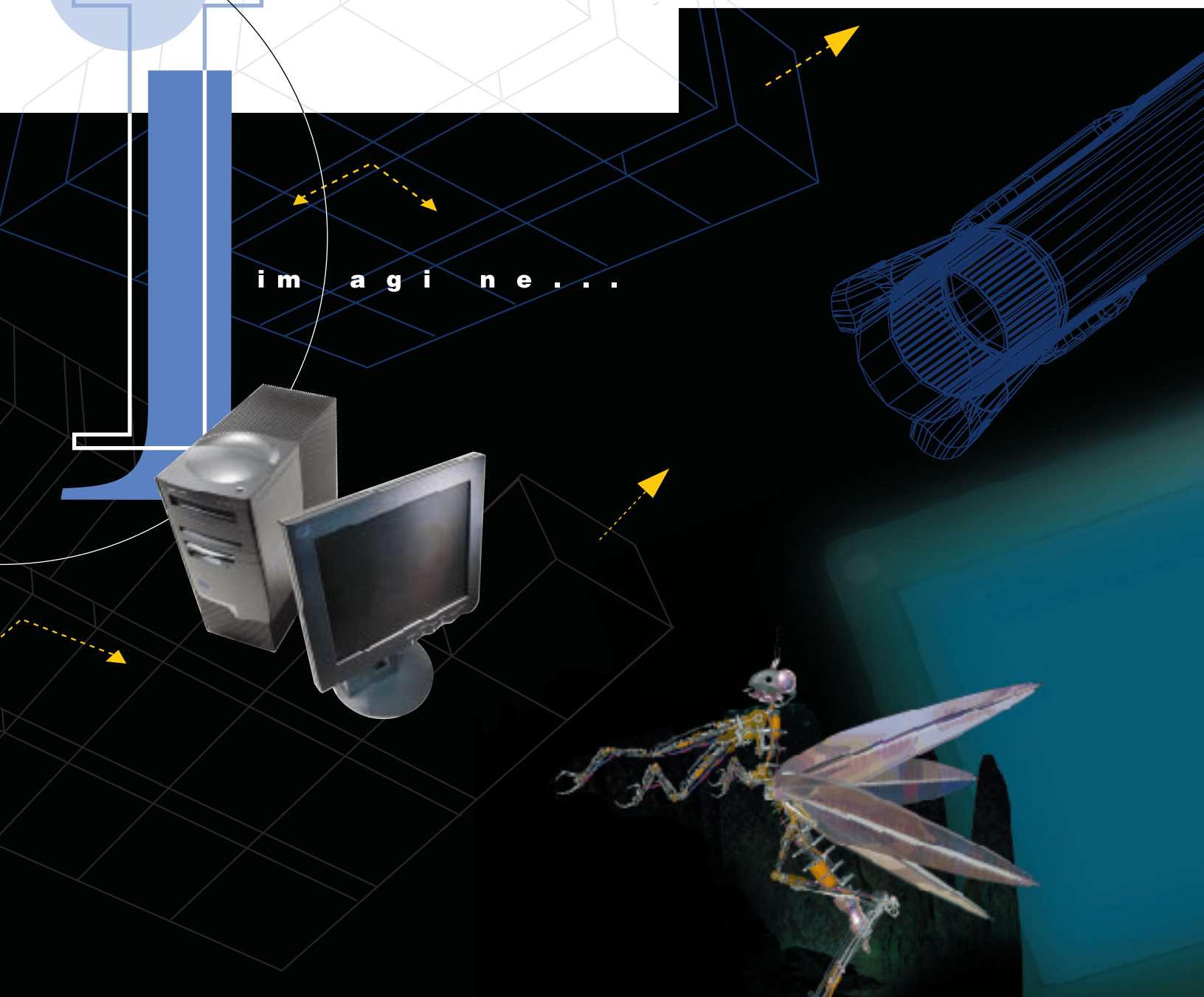
Digital Media

IBM

IntelliStation



IntelliStation

Achieve more—better and faster—with the IBM IntelliStation

Introducing the IBM IntelliStation. From the stealth-gray fuselage to the pixel-perfect display, you sense the raw energy of this machine. A can-do attitude that steps up to your daily challenge: to produce more, in less time, with higher quality. A new class of workstation designed to invigorate your art and energized to keep inspiration flowing. The IBM IntelliStation combines Intel's most advanced Pentium® II processors with Microsoft® Windows® NT 4.0, the new standard for 32-bit computing. Result? Workstation power *and* the ultimate in desktop productivity. From image processing to 3D modeling and rendering, to digital video and reality-altering effects—as well as your everyday word processor, project manager and e-mail. Ready to plug-and-go with your current network and interoperable with UNIX environments for the ultimate in cross-platform productivity.

Microsoft® Windows NT®

Application-focused performance

The creative process needs time for experimentation; your client wants it tomorrow! With the IBM IntelliStation you'll have more time to create the perfect look, the right timing, the happy ending—and still meet the deadline. Single- or dual-processors, 2D or 3D graphics, IBM has the tool you need to succeed.

The IBM IntelliStation is the choice for marathon work schedules, built with future growth in mind. Set new rendering records with dual Intel® Pentium II processors at up to 400MHz[1]. Or start with the uni-processor model and double your compute power as needed—simply plug in a second Pentium II module for symmetric multiprocessing, and get a real performance kick from multithreaded code. Intel's MMX™ technology enhances your image with smooth motion and pristine sound without requiring additional hardware. With 100MHz SDRAM expandable up to 1GB, available 10,000rpm hard drives, dual-channel Ultra Wide SCSI enabled with RAIDport and 10/100 Ethernet to speed your files around the workgroup, the IntelliStation bristles with flexible firepower to spark your creativity—and make the most of your time.

Application-focused graphics

Complex design demands instantaneous screen response. The IBM IntelliStation delivers, with a choice of dimensions. For brilliant 2D performance, the 64-bit Matrox Millennium II packs 8MB of dual-ported WRAM (upgradeable to 16MB) and a 250MHz RAMDAC to achieve industry-leading WinMark scores. Combining high refresh rates with expansive resolutions up to 1920x1200, this front runner is the industry reference. For demanding 2D display and a wide range of 3D projects, the Permedia 2 enhanced card taps into a dedicated AGP slot for increased bandwidth and speed. Features such as OpenGL support, 100MHz SGRAM, 16-bit Z-buffering and anti-aliasing further enhance the GLINT-based power of the Permedia 2 enhanced.

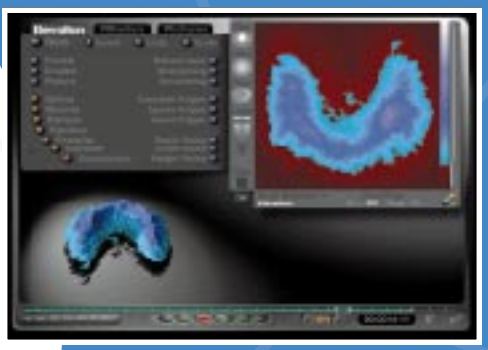
For your most exacting 3D applications such as animation, the Intense 3D Pro 3400 by Intergraph displays electrifying performance. Stacked with 16MB of video SDRAM and 16MB of texture SGRAM, you'll get the detailed view with true-color 1280x1024 resolution, 24- or 32-bit Z-buffering for precision object ordering, Gouraud shading, trilinear texture mapping and support for both OpenGL and Heidi.

"It just seems that whatever IBM did to the IntelliStation, they got rid of bottlenecks that other computers I've used continue to have. I don't know how they're doing it, but they're doing something to get everything to work optimally."

Bill Niffenegger,
Creative Director, Xaos Tools

Adobe: Photoshop 4.0

The available Intergraph geometry and lighting accelerator—supercharged with 14 digital signal processors (DSPs)—makes the IntelliStation the ultimate 3D environment on Windows NT. The IBM IntelliStation's real-time graphics eliminate the wait and let you create.



Meta Creations: Terrain Editor

Application certification

The criteria for your next workstation can be nothing less than potent performance, faultless reliability and worry-free application compatibility—the very standards the IBM IntelliStation meets through certification by leading software vendors. Their rigorous testing confirms the IBM IntelliStation's performance and compatibility, as well as giving you the assurance of expert, coordinated support, encompassing both hardware and software issues. For the real-world demands you face every day, IBM has the experience, resources and technology partnerships to lay it on the line: the IBM IntelliStation is where your vision will shine. For the current list of supported applications, visit our Web site at *www.ibm.com/pc/us/intellistation*

Macromedia: DHTMLZone

Xaos: TypeCaster

x: 3d Studio MAX

IBM

IBM Media Asset Management

Even as the first digital artists became swamped in a sea of media assets, IBM formed the Media & Entertainment Industry Solutions Unit to bail them out with customized IBM technology. Strategically based in Hollywood, this team of creative pros develops comprehensive solutions, from asset management to digital delivery of your production, across your workgroup or across continents. Innovators such as DreamWorks SKG are building all-digital production environments around the IBM Digital Library with specialized, integrated tools for storage, management, search and access, workflow and rights protection. Armed with these tools, you'll spur creativity, pump up production and combat piracy as your digital assets set sail over the boundless Internet. With IBM's history of helping our customers navigate oceans of data, we can help chart your course to the future.

The IntelliStation advantage

IBM is committed to helping you deploy, manage and protect your workstation investment. For example, IBM's Asset ID[2] technology can identify and track the movement of IntelliStations "branded" with radio frequency ID tags to streamline deployment, inventory and security measures. Monitor hard drive performance with IBM's SMART Reaction™ proactive failure tools featuring customized client/manager alerts and automatic backup to ensure the safety of your valuable data. IBM introduced standards-based remote system management to the industry with Wake on LAN (WOL), enabling IS managers to power on systems over the network to perform off-hours tasks such as configuration and software updates. WOL is now supplemented by Alert on LAN technology that monitors and reports on temperature, voltage, chassis intrusion, component removal, disconnection to power or the LAN—even when the computer is powered off! Alert on LAN works as a stand-alone application or in conjunction with IBM's Netfinity Manager and Intel's LANDesk Client Manager®—both software clients[3] are included with IntelliStation—providing unprecedented control over your domain.

IBM Business Partners

Your IBM IntelliStation can be customized to suit your special needs. Ready for RAID? Ravenous for RAM? IBM Business Partners are specialists in detailing your machine for life in the fast lane, from custom striping to heads-up IBM displays, featuring active-matrix TFT and Trinitron technology.

Visit your IBM Business Partner

To view the fully-rendered performance of the IBM IntelliStation or get a preview and the full list of supported applications at our Web Site:
www.ibm.com/pc/us/intellistation

IBM IntelliStation M Pro Technical Specifications

Processor	350MHz or 400MHz Pentium II processor, dual capable, 512KB L2 cache
Memory std/max	64, 128 or 256MB/1GB
Type/speed/total sockets	SDRAM/ECC/100MHz/4 DIMMs
Hard drives[4]	Up to 9.1GB 10,000rpm Wide Ultra SCSI with SMART
Slots	6 slots: 4PCI, 1 shared PCI/ISA, 1 AGP (5 open slots)
Bays	6 bays: (2) 3.5" internal; (2) 3.5" external; (2) 5.25" external
Graphics engines	Matrox Millennium II, 8MB/16MB max Permedia 2 enhanced with 8MB flexible allocation video RAM Intergraph Intense 3D Pro 3400 with 16MB memory Intergraph geometry and lighting accelerator available

© International Business Machines Corporation 1998

Printed in the United States of America
4-98
All Rights Reserved

[1] MHz only measures microprocessor internal clock speed, not application performance. Many factors affect application performance.
[2] Asset ID allows your IntelliStation to be "scanned" by various radio frequency devices supplied by independent companies. Asset ID is intended for use only with radio Frequency equipment that meets ANSI/IEEE C95.1 1992 RF Radio Frequency Limits.
[3] Diskettes and hard copy documentation available at extra charge.
[4] GB means billions of bytes when referring to hard drive capacity. Accessible capacity may vary.

Cover art courtesy of ErikTek, Inc.

IBM, IntelliStation, Netfinity Manager, SystemXtra, SMART Reaction, Asset ID, Alert on LAN and Wake on Lan are trademarks or registered trademarks of International Business Machines Corporation. Microsoft, Windows, Windows NT, and the Windows NT logo are trademarks or registered trademarks of Microsoft Corporation. Intel, Pentium II, MMX and LANDesk Client Manager are trademarks or registered trademarks of Intel Corporation. Other trademarks or registered trademarks are the properties of their respective companies.

IBM reserves the right to alter specifications and other product information without prior notice.

This publication was produced in the United States. IBM may not offer products, services or features discussed in this document in other countries and the information is subject to change without notice. Consult your local IBM representative for information on the products, services and features available in your area.

International Business Machines provides this publication "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for a particular purpose. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

Printed on recycled paper containing 10% recovered post-consumer fiber.

G520-9422-03