

Nothing gets in the way of a good idea



IBM IntelliStation M Pro with Pentium[®] II processor

Highlights

- **Intel[®] Pentium[®] II processor**

Pushing the envelope at 266MHz¹ up to 300MHz with 512KB L2 cache. Intel MMX[™] technology super-charges dynamic media

- **ECC Memory up to 512MB**

Tame massive datasets with robust memory configurations. Error checking and correction (ECC) helps ensure the integrity of your data

- **Choice of graphics engines**

For 2D: the super-quick 64-bit Matrox MGA Millennium. For 3D: get real-time performance at 1280 x 1024 true color with Intergraph's Intense3D Pro1000/T² (includes 16MB frame memory and 4MB texture memory)

- **Application certification**

The IBM IntelliStation has been tested by leading software vendors to ensure compatibility with demanding design, financial, media creation, and scientific applications

- **Advanced Manageability**

Based on IBM's revolutionary Wake on LAN technology. Gain proactive control over your networked IBM IntelliStations for tasks from CMOS setup and BIOS updates to asset tracking and remote problem resolution

- **IBM AssetCare[™]**

Comprehensive data protection and system security, including virus protection and S.M.A.R.T. hard drives that report potential failure. Serialization of memory and CPUs, and the registration of systems deters theft



Winner



The IBM IntelliStation M Pro delivers unparalleled performance

Ideas soar aboard the IBM IntelliStation M Pro. Reach new heights of excellence, producing more, creating your best, liberated by this tool of astounding capability. Armed with this vanguard technology, nothing gets in the way of a good idea!

Inspiring performance

Combining Intel's most sophisticated—and fastest—processor with Microsoft Windows NT 4.0, the IBM IntelliStation M Pro delivers unparalleled 32-bit multi-threaded, multitasking performance. Ready to plug-in-and-go with your current 10/100 Ethernet network and interoperable with Unix environments. From demanding technical applications to your essential business software, this new class of workstation from IBM lets you work faster and smarter, powered by Intel's 266 and 300MHz Pentium II processors with MMX technology. The advanced Pentium II processor accelerates today's productivity applications, while supercharging tomorrow's MMX-aware software. Dynamic media benefits further from the 16X max CD-ROM drive and integrated audio for Sound Blaster Pro-compatible applications. With up to 512MB of memory supported, a spacious 4.3GB³ hard drive with Wide Ultra SCSI throughput, and a choice of pixel-potent 2D and 3D graphic engines optimized for real-time response, the IBM IntelliStation M Pro sets the pace for uni-processor workstations. If this sounds like a dream machine, this is your wake up call: The IBM IntelliStation M Pro is the tool for those who act on their ideas—fast!

Attention-grabbing graphics

You've got the best seat in the house with graphics accelerated for 2D by Matrox or 3D by Intergraph. For your 2D projects, the Matrox Millennium card paints your screen with up to 127 million WinMarks of graphic acceleration.⁴ With ambitious features like OpenGL support, double buffering and Z-buffering, and real-time Gouraud shading, the Matrox adapter makes a graceful transition from 2D to 3D. For your most exacting 3D applications, the Intense 3D Pro1000/T displays pedigreed performance by Intergraph. Get the detailed view with true-color 1280 x 1024 resolution, and 24 or 32-bit Z-buffering for precision object ordering. Support for OpenGL and Heidi, Gouraud shading, artifact-free trilinear texture mapping—and much more—makes the Intergraph accelerator the high-visibility choice for your most intense projects.² With performance this responsive and fluid, you may hardly notice the screen as you focus on your evolving concept. The IBM IntelliStation's real-time graphics eliminate the wait and let you create.

Master your domain with Advanced Manageability

Less time on crises means more time for your business. IBM maximizes system reliability with DMI-compliant innovations and Wake on LAN technology. 10/100 Ethernet enabled with Wake on LAN allows administrators to rouse sleeping computers across the network for software installation, updating the BIOS, and system setup—all from a remote LANClient Control Manager (LCCM) console. Coupled with IBM's award-winning IBM NetFinity tools or Intel's popular LANDesk®—both software clients are included on the bundled CD-ROMs—you're in control, from distant diagnosis to remote remedy.

Beyond the box: IBM AssetCare

IBM adds significant value to your professional workstation investment by improving system security and data protection through a range of technologies known collectively as IBM AssetCare. For example, IBM computers that have had their covers opened can automatically notify the network administrator of chassis intrusion through a DMI-compliant warning message. The laser-etched serialization of components deters theft and assists recovery of microprocessors and memory—even complete systems—since components registered with Retainagroup Ltd. can be readily identified and matched with their owners.

Computer hardware has a fixed value, but the value of your data—if lost—is incalculable. IBM helps protect your vulnerable data from disaster, whether it's threatened by a computer virus, a hard disk crash, or other system failure. IBM AntiVirus software—provided with every IBM IntelliStation—scans for viruses and eradicates intruders. Hard drives are guarded by self-monitoring and reporting technology (S.M.A.R.T.) that detects hard disk errors indicating impending failure, sending a DMI-compliant alert to the administrator before a crisis can occur. Likewise, system vital signs are monitored by IBM's new hardware control chip. This manageability chip monitors the system for heat and voltage, issuing a timely warning to initiate a backup, thus ensuring the integrity of your data. With the IBM IntelliStation, you get much more than the box—you get peace of mind that only IBM AssetCare can provide.

IBM System Care

IBM System Care helps you make the most of your personal computer investment by combining a host of technologies, services and convenient financing—all for a single monthly payment. IBM System Care offers total-package financing that includes System Care Technology Exchange, a flexible and affordable way to update your IBM personal computer inventory after only two years. A customized package of services from your IBM Business Partners and IBM includes specialized training, Recovery Services for End-Users and Recovery Services for PCs.

**IBM IntelliStation M Pro ViewPerf
v5.0 OpenGL^s graphics performance***

CDRS-03 v1.1 1280 x 1024/16.7M colors	31.22
Design Review DRV-04 v4.0	3.38
IBM Visualization Data Explorer DX-03 v1.0	5.19
Lightscape Light-01 v1.067
Alias/Wavefront Adv Visualizer AWadv5-01	6.28

*Weighted Frames/Second

Options

- ECC DIMM:
 - 32MB 76H0279
 - 64MB 76H0280
 - 128MB 76H0281
 - 256MB 76H0269
- Ultrastar 2ES 4.3GB Wide
Ultra SCSI hard disk drive 76H5815
- Ultrastar 2ES 2.1GB Wide
Ultra SCSI hard disk drive 75H5813
- IBM Token Ring ISA Auto
Wake on LAN adapter 55H6760
- RF Mouse 12J3614

IBM IntelliStation M Pro Technical Specifications

Processor	266 or 300MHz Pentium II with 512KB on-card L2 cache
Memory standard/maximum Type/speed/total sockets	32, 64 or 128MB/512MB EDO ECC/60ns/3 DIMMs
Hard drive—capacity Controller	4.3GB Wide Ultra SCSI with S.M.A.R.T. Adaptec 2940 Ultra Wide SCSI
Bays	5 bays: (2) 3.5" internal; (1) 3.5" external; (2) 5.25" external
Slots—number/type	5 slots: 3 shared PCI/ ISA, 2 ISA
Network interface	Integrated 10/100 Ethernet with Wake on LAN
CD-ROM drive	16X max (variable speed)
Audio	Integrated, supports Sound Blaster® Pro applications
Supported operating systems	<ul style="list-style-type: none"> • Windows NT Workstation 4.0 preinstalled • Drivers for Windows NT 3.51, Windows 95
Productivity software/tools	<ul style="list-style-type: none"> • Lotus SmartSuite License^e • Hummingbird "Try and Buy" Software Suite CD • ConfigSafe • IBM NetFinity • Intel LANDesk Client Manager • IBM AntiVirus

Graphics Engines

	Intergraph Intense3D Pro 1000/T	Matrox MGA Millennium
Frame memory std/max	16MB/16MB (SDRAM)	4MB/8MB (WRAM)
Texture memory	4MB (SGRAM)	N/A
Max. vertical refresh rate	85Hz	200Hz
Max. horizontal scan rate	80KHz	105.7KHz
Max. resolution /colors	1280 x 1024/16.7M	1600 x 1200/16.7M
APIs supported	OpenGL, Heidi	OpenGL, Direct3D, DirectDraw
Additional Features	24 or 32-bit Z Buffer 24-bit, Double Buffering Gouraud Shading Trilinear Texture Mapping for 32-bit textures Alpha Blending Fog Anti-aliasing Dual Monitor Support	16-bit Z Buffer Double Buffering Gouraud Shading Hardware Scaling and Color Space Conversion (MPEG) Alpha Blending Quality Color Dithering N/A Dual Monitor Support

IBM Professional Series Monitors

	P70	P200	P201	9516 LCD
Tube type	Trinitron CRT	Trinitron CRT	Trinitron CRT	Active Matrix TFT
CRT size/viewable image	17" (15.9")	20" (19.1")	20" (19.1")	16.1" (16.1")
Stripe pitch	.26mm	.31mm	.26mm	.25 Dot pitch
Horizontal scan range	85KHz	96KHz	107KHz	64KHz
Max. NI addressability	1280 x 1024	1600 x 1280	1800 x 1440	1280 x 1024

Creative License

The industry's leading software vendors have tested the IBM IntelliStation M Pro to ensure compatibility with their demanding design, financial, media creation, and scientific applications. You can have confidence that your IBM IntelliStation is accredited by the source you trust most: the company that provides the software you rely on every working day.

For a complete list of application certifications, see our web site at: www.us.pc.ibm.com/intellistation

Form factor

- Desktop enclosure; horizontal/vertical orientation

Diskette drive

- 3.5-inch 1.44MB standard

Standard I/O interfaces

- Two USB ports
- One serial port (16550)
- One enhanced parallel port (ECP/EPP)
- One 10/100 Ethernet RJ-45
- Enhanced IDE controller supports 4 devices
- One IrDA-2 compliant infrared port (115Kbps)
- Audio line in/out mini-jack
- One SVGA video

Input devices

- 104-key Keyboard
- IBM three-button Mouse standard

Advanced Manageability

- Wake on LAN-enabled 10/100 Ethernet
- Flash BIOS over LAN
- Remote CMOS setup over LAN
- IBM NetFinity
- Intel LANDesk Client Manager
- CoSession
- DMI BIOS v1.1, v20/Service Layer

Asset and Data Security

- Laser etching/Serialization
- Retainagroup Ltd. Registration
- Thermal/voltage/tamper sensing
- IBM AntiVirus for Windows NT
- ConfigSafe
- PC System Monitor for Windows NT
- QAPlus/Pro Diagnostics
- Self Monitoring and Reporting Technology (S.M.A.R.T.)
- Vital Product Data (VPD)
- Power-on password
- Setup Utility Administrator password
- Wake on LAN password
- Cover Key Lock
- U-Bolt Anchor Support

Customer support and service

- 3 years parts and 1 year labor limited warranty;⁷ International Warranty Service⁸
- Toll-free voice technical support 24 hours a day, 7 days a week⁹
- On-line support via CoSession
- Electronic support services via fax, BBS, Internet and commercial on-line services

Standards supported

- FCC Part 15, Class A; UL 1950 First Edition; CSA C22.2 No. 950; ISO 9241 capable; ANSI S12.10; GOP TUV-GS

Need more information?

Reseller and general information

1-800-IBM-2968 (U.S.)

1-800-IBM-2255 (Canada)

IBM Fax Information Service

1-800-IBM-3395

Document number 11135

World Wide Web

(These are U.S. Web pages)

www.us.pc.ibm.com/intellistation

www.us.pc.ibm.com/monitor

www.us.pc.ibm.com/options

¹MHz only measures microprocessor internal clock speed, not application performance. Many factors affect application performance.

²Source: Intergraph Corporation

³MB means million bytes and GB means billion bytes when referring to hard drive capacity. Accessible capacity may vary.

⁴IBM results using WinBench 97 v1.0 Business Graphics WinMark 97; 1024 x 768 x 256 colors, Windows NT 4.0 SP2, Matrox driver 3.10.033

⁵Benchmarks submitted to the OpenGL Performance Characterization Organization. See their web site at:

www.specbench.org/GPC/OPC.static/

⁶Diskettes and hard copy documentation available at extra charge.

⁷International Warranty Service available in those countries where IBM or IBM resellers sell and service these IBM PC products (registration required).

⁸For terms and conditions or a copy of IBM's limited warranty, call 1-800-772-2227 in the U.S. or 1-800-465-7999 in Canada.

⁹Excluding some holidays. Response may time vary.

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