



IBM IntelliStation M Pro with Intel Pentium 4 processor



Highlights

- **New processor technology: Intel® Pentium® 4 processor up to 1.7GHz¹, with 400MHz front-side bus**
- **Pentium 4 micro-architecture: NetBurst, a rapid execution engine running at two times processor core speed**
- **New Fire GL4 graphics adapter: 128MB memory for extreme 3D performance; dual head**
- **More graphics solutions: Fire GL2, NVIDIA Quadro2 MXR and Matrox G450**
- **Faster disk I/O: ATA/100 EIDE or Ultra 160 SCSI for flexible storage options**
- **Preloaded O/S: Microsoft® Windows® 2000 with option to install Windows NT® 4.0²**

Full speed ahead

The new IBM IntelliStation® M Pro with Intel Pentium 4 processor transforms the processor's power into superior performance for over 200 IntelliStation-certified creative, engineering and financial applications you rely on everyday.

Building on the increased memory bandwidth and speed of the processor, this new IntelliStation M Pro workstation will help deliver new milestones in productivity. So you can move ideas from your head to the screen even faster.

A case for expandability

The landscapable minitower can stand vertically or work horizontally as a low-profile desktop. With its one-touch cover removal and tools-free component access, the chassis design of this IntelliStation M Pro lets you add hardware with a minimum of effort. And with a powerful 340W power supply and plenty of PCI slots, your IntelliStation M Pro is ready for tomorrow.

Of course, every IntelliStation workstation has an on-site three-year limited warranty^{3,4} on parts and labour. There's also free technical support for the duration of your IntelliStation warranty as well as an extensive Web based IntelliStation support site. And only IBM lets you "Ask Engineering" your questions online for a prompt, personalised reply via e-mail.

Trust IBM to maximise new Intel technology and deliver reliable, advanced performance. Move up to a workstation that makes the most of your applications... and your hard work: the IntelliStation M Pro with Intel Pentium 4 processor.

IBM IntelliStation M Pro 6849 technical specifications

Processor	Intel Pentium 4 processor, up to 1.7GHz with enhanced 256KB full speed L2 cache
Core logic	Intel 850 chipset with 400MHz front-side bus
Memory (std/max)	256 MB/2GB ⁵ PC800 Rambus
Graphics engines	Performance 2D: Matrox G450, 4X AGP with 16MB DDR SDRAM, dual display capable Advanced 3D: NVIDIA Quadro2 MXR, 4X AGP with 32MB, dual display capable Extreme 3D: SONICblue Fire GL2, 4X AGP with 64MB DDR SGRAM, full OpenGL support, SONICblue Fire GL4, 4X AGP/Pro 50 with 128MB DDR SGRAM, full openGL support, dual display capable
S.M.A.R.T.⁶ hard disk drives	ATA/100: 20GB ⁷ , 30GB, 40GB/ 7,200rpm Ultra 160 SCSI: 18.2GB, 36.4GB / 10,000rpm
Controllers	ATA/100 integrated, Ultra 160 SCSI adapter (PCI)
Bays (number/type)	7: (3) 3.5" internal, (2) 3.5" external, (2) 5.25" external
Slots (number/type)	6: (1) 4X AGP Pro 50, (5) 32-bit PCI
Network interface	Integrated 10/100 Ethernet with Wake on LAN ¹ with encryption
CD-ROM	48X-20X ⁸
Audio	AC-97, microphone, line in, line out, integrated speaker
Operating system	Choice of Windows 2000 or Windows NT 4.0, Service Pack 6.0a
Productivity tools⁹	Lotus [®] SmartSuite [®] licence ¹⁰ , Lotus Notes [®] Client licence, Norton AntiVirus (OEM version), SMART Reaction [®] II, Netscape Communicator, Adobe Acrobat Reader
Supported Applications	Visit ibm.com/pc/us/solutions/intellistation for the latest list of creative, engineering and financial applications
Universal Manageability	Visit ibm.com/pc/us/intellistation/benefit for the latest information on Universal Manageability tools.
Security	Visit ibm.com/pc/ww/intellistation/security for up-to-date information on IBM client security
Options by IBM	IBM Monitors: T54-15" TFT flat panel (15" VIS); P260 21" (19.8" VIS) or P96 19" (17.9" VIS) FD Trinitron [®] (9511AG1, 655263N or 655163N); IBM Memory: 64, 128, 256MB ECC 600/800MHz Rambus RDRAM (33L3093, -95, -97/20L0274, -75, -77); IBM 8X/4X/14-32X CD-ReWriteable Internal IDE Drive ¹¹ (33L5020); IBM 9.4/4.7GB DVD-RAM Internal IDE Drive ¹² (10K3561); IBM 10/20GB TR5 Internal IDE Tape Drive (20L0549) Visit ibm.com/options for a complete list of compatible options
Rack-mount kit	Tower to Rack Conversion Kit (09N4300)
Standards supported	FCC Part 15, Class A; UL 1950 First Edition, CSA c22.2 No. 950; ISO 9241 capable; ANSI S1210



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

² Windows 2000 preloaded; Windows NT included either on hard drive or CD ROM (depending on model) and may be installed at user's option during first boot.

³ IBM makes no representations or warranties regarding non-IBM products.

⁴ For information regarding terms and conditions or copies of IBM's Statement of Limited Warranty, please contact your Business Partner or IBM marketing representative.

⁵ Current available memory options allow memory expansion up to 1GB using four 256MB ECC RDRAM RIMMs for memory expansion. Memory expansion beyond 1GB will depend on the availability of 3rd party memory options larger than 256MB built to IBM IntelliStation specifications and such availability cannot be assured.

⁶ Self-Monitoring, Analysis and Reporting Technology.

⁷ GB equals one thousand million bytes when referring to hard disk drive capacity. Accessible capacity may be less.

⁸ Variable read rate. Actual playback speed will vary and is often less than the maximum possible.

⁹ Some software may differ from its retail version (if available), and may not include user manuals or all program functionality. For non-IBM software, applicable third-party software licences may apply.

¹⁰ Diskettes and hard copy documentation available at additional charge.

¹¹ Up to 8X CD-R write speed; up to 4X CD-RW write speed; variable read rate 32X-14X. Actual play-back speed will vary and is often less than the maximum possible.

¹² Subject to availability.

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