IBM

IntelliStation

The Professional Workstation.

The New Seat of Power

For those who see the future and give shape to it today…for those who create, reveal and explore…for those in hot pursuit of excellence—take your place at the new IBM IntelliStation M Pro.

This new-generation professional NT workstation from IBM responds with startling speed. Advanced Intel® Pentium® II processors race at up to 400MHz[1] in single or dual SMP configurations, ramcharged by the 100MHz system bus and 512KB of L2 cache. Choose from accelerated 2D/3D graphics solutions.

Application-focused performance

Choosing a Windows® NT® workstation ultimately comes down to satisfying your top priority: to energize your specialized software with a tool of superlative performance and compatibility. The new IBM IntelliStation M Pro achieves that goal with its balanced-bandwidth design optimized for peak application performance.

Certified for success

Working in tandem with leading application developers, IBM provides technical expertise, long-lead prototypes—even code-level collaboration on problematic issues like driver compatibility—to prepare the IntelliStation M Pro for the superior application performance that you demand. These premiere vendors have tested the IBM IntelliStation M Pro to verify compatibility with their business-critical engineering, digital media content creation, financial and scientific applications. You can work confident that your IBM

IntelliStation is accredited by the source you most trust: the companies that provide the software you rely on every working day. See our Web site for the current list of supported applications: *www.ibm.com/pc/us/intellistation*

Application-focused graphics

IBM knows—as you do—that graphics response is a defining criteria for workstation performance. IntelliStation professional workstations deliver, with a choice of dimensions. For 2D display, the Matrox Millennium II graphics card is the front runner, combining expansive resolutions with high refresh rates for brilliant, flicker-free images. Advanced features include dual-ported WRAM, double- and Z-buffering, and multiple monitor support with up to four cards. For demanding 2D display and a wide range of 3D projects, the PERMEDIA 2 enhanced card taps into the dedicated AGP slot for increased bandwidth and speed. Features such as OpenGL support, 100MHz SGRAM and 16-bit Z-buffering further enhance the GLINT-based power of the PERMEDIA 2 enhanced. For your most exacting 3D applications, the Intense 3D Pro 3400 by Intergraph displays electrifying performance. Stacked with 16MB of video SDRAM and 16MB of texture

SDRAM, 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. 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.

Your competitive edge— IBM SystemXtra

IBM SystemXtra is designed to make the most of your IT investment by combining a host of technologies, services and flexible financing to make your job easier. These services include training, on-site recovery assistance and network maintenance. Combined with IBM's Technology Exchange— a flexible and affordable way to upgrade your leased computers after only two years—for a single monthly invoice.

The IntelliStation advantage

IBM is committed to help 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.

IntelliStation

Digital Media

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.

Supported Applications

Adobe Systems, Inc.
Adobe After Effects
Adobe Photoshop
Adobe Premiere

Avid Technology, Inc.
MCXpress

Eastman Kodak Company
Multi-Media Software

Kinetix
Kinetix 3D Studio MAX

Macromedia
Macromedia Director
Macromedia Extreme 3D

NewTek, Inc.
NewTek 3D Graphics Channel
(Lightwave 3D)
NewTek 3D Video Channel
(Video Toaster and Flyer)

Softimage, Inc.
Softimage

Truevision
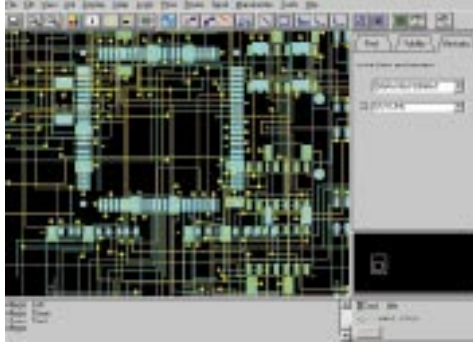TARGA-1000 series
TARGA-2000 series

IBM IntelliStation M Pro 6889 Technical Specifications
Optimized for Digital Media Creators

Processor	400MHz, dual capable
Memory	128MB
Hard drive	9.1GB/7,200rpm[4] Ultra Wide SCSI with SMART
Graphics	Permedia Integraph Intense 3D Pro 3400

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Electronic Design

The silicon challenge

The question is no longer "How many gates can you fit on the head of a pin?" but "How fast can you get it to market—and at what cost?" At the 50th anniversary of the transistor, EDA is a discipline in transition. Among the trends well underway is the migration from UNIX to the new industry standard epitomized by the IBM IntelliStation professional workstation. Powered by Intel's most advanced processors and running the software essential to your job—now optimized for Microsoft Windows NT—the IBM IntelliStation is the standards-based successor to proprietary platforms. The impressive integer performance, responsive graphics, generous expandability and seamless integration with current and evolving work environments equips you with a tool that is both an expression—and a conduit—of elegant electronic design.

Supported Applications

Cadence Design Systems, Inc.
Allegro
Verilog XL

Mentor Graphics Corp.
Board Station
Design Architect
Renoir

Synopsys
FPGAXpress

Viewlogic Systems, Inc.
Workview Office

Exemplar Logic, Inc,
Leonardo
Galileo

Zuken-Redac, Inc.
CR-5000
CADSTAR

IBM IntelliStation M Pro 6889 Technical Specifications
Optimized for Electronic Design Engineers

Processor	400MHz, dual capable
Memory	256MB
Hard drive	9.1GB/7,200rpm[4] Ultra Wide SCSI
Graphics	Matrox Millenium II

IntelliStation
Financial Services

The high-performance/ high-reliability trading solution

The pressure to perform becomes a passion to win, powered by the IBM IntelliStation. In an industry that reveres "real-time," the new IBM IntelliStation capitalizes on advanced Intel® processor performance, responsive multimedia and generous industry-standard expansion capabilities, plus seamless integration with current and evolving networks. Fortified by IBM's advanced manageability to meet your most critical requirement—relentless reliability. With the exceptional performance and dependability of the IBM IntelliStation, a second saved is a second earned.

IBM IntelliStation M Pro 6889 Technical Specifications
Optimized for Financiers

Processor	400MHz
Memory	128MB
Hard drive	9.1GB/7,200rpm EIDE with SMART
Graphics	Matrox Millenium II

Supported Applications

REUTERS
Financial products

System Programming & Network Computing

TIBCO, Inc.
TIBCO Financial Products
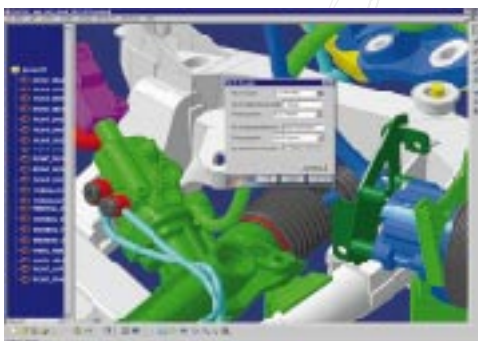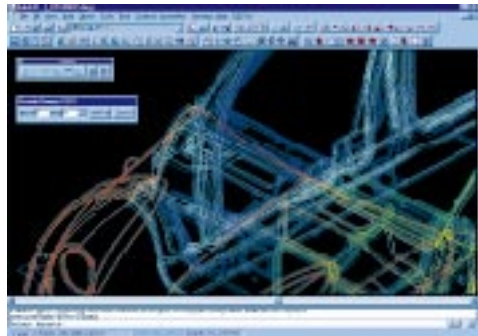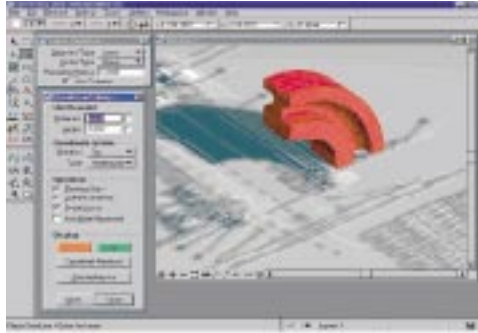
Townsend Analytics, Ltd.
TAL Trading Tools

IntelliStation

Engineering

**Achieve more—better and faster—
with the IBM IntelliStation**

Building the future? The tool you need
is here today, ready to meet your daily
challenge: to produce more, in less time,
with higher quality. A potent tool that
sparks invention, forges new connections,
reveals new insights. The IBM IntelliStation
combines the most advanced Intel
Pentium II processors with Microsoft
Windows NT 4.0, the new standard for
32-bit computing. Result? Technical
workstation performance and the ultimate
in desktop productivity and manageabil-
ity. Fueled to run your hungry CAD/CAM
applications as well as your everyday
business suite, the IBM IntelliStation's
multi-tasking desktop is
the center of your expanding universe.
Collaborate across workgroups or across
continents—IntelliStation expedites your
work from inspiration to Internet connection.
Ready to plug-and-go with your current
network and interoperable with UNIX
environments for the ultimate in
cross-platform convenience.

Supported Applications

Ansys, Inc.
ANSYS

Autodesk, Inc.
AutoCAD

Bentley Systems, Inc.
MicroStation 95

Dassault Systemes
CATIA-CADAM Solutions

ESRI
ArcCAD

Unigraphics Solutions
Unigraphics

MSC
MSC/NASTRAN

Matra Datavision, S.A.
Euclid Designer

MICROCADAM, Inc.
Helix Design System

PTC
Pro/ENGINEER

SDRC
I-DEAS Master Series

SolidWorks Corporation
SolidWorks 97Plus

IBM IntelliStation M Pro 6889 Technical Specifications
Optimized for Engineers

Processor	400MHz, dual capable
Memory	256MB
Hard drive	9.1GB/7,200rpm[4] Ultra Wide SCSI with SMART
Graphics	Integraph Intense 3D Pro 3400 Optimal Geometry Accelerator

Standard I/O interfaces
- Two USB posts
- Two serial ports (16550)
- One enhanced parallel port (ECP/EPP)
- One 10/100 Ethernet RJ-45
- Enhanced IDE controller (ATA33)
- Dual-channel Ultra Wide SCSI 2x68 pin and 1x50 pin
- Audio line in, line out and microphone input

Input devices
- 104-key keyboard with palm rest
- IBM three-button mouse
- Headset with microphone

Advanced manageability
- Wake on LAN-enabled 10/100 Ethernet
- SMART Reaction
- Alert on LAN
- IBM Netfinity Manager
- IBM LANClient Control Manager
- Intel LANDesk Client Manager
- Flash over LAN
- Setup over LAN
- CoSession
- DMI BIOS and Service Layer for Windows NT[5]

AssetCare
- Asset ID
- Manageability chip (temperature/voltage/tamper/fan speed sensing)
- Enhanced Asset Information Area (EEPROM)
- Self Monitoring, Analysis and Reporting Technology (SMART)
- IBM AntiVirus for Windows NT
- Watergate PC Doctor Diagnostics
- ConfigSafe

Options by IBM
Memory (100MHz SDRAM):

64MB	01K1130
128MB	01K1131
256MB	01K1132
PCI token-ring w/ WOL	86H1880

Hard disk drive:

6.4GB/7,200rpm EIDE	01K1329
9.1GB/7,200rpm EIDE	01K1330
9.1GB/7,200rpm Ultra Wide SCSI	01K1328
9.1GB/10,000rpm Ultra Wide SCSI	01K1315

Second Processor:

Intel 350MHz processor	10L5883
Intel 400MHz processor	10L5884

Standards supported
- FCC Part 15, Class A; UL 1950 First Edition; CSA C22.2 No. 950; ANSI 12.10; GOP TUV-GS

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[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] 9.1GB disk drive capacity with ULTRA DMA is possible only with system units that have a busmaster driver that supports Ultra DMA and hard drive sizes greater than 8.4GB.

[5] BIOS DMI 2.1 compliant. Service Layer DMI 2.0 compliant

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