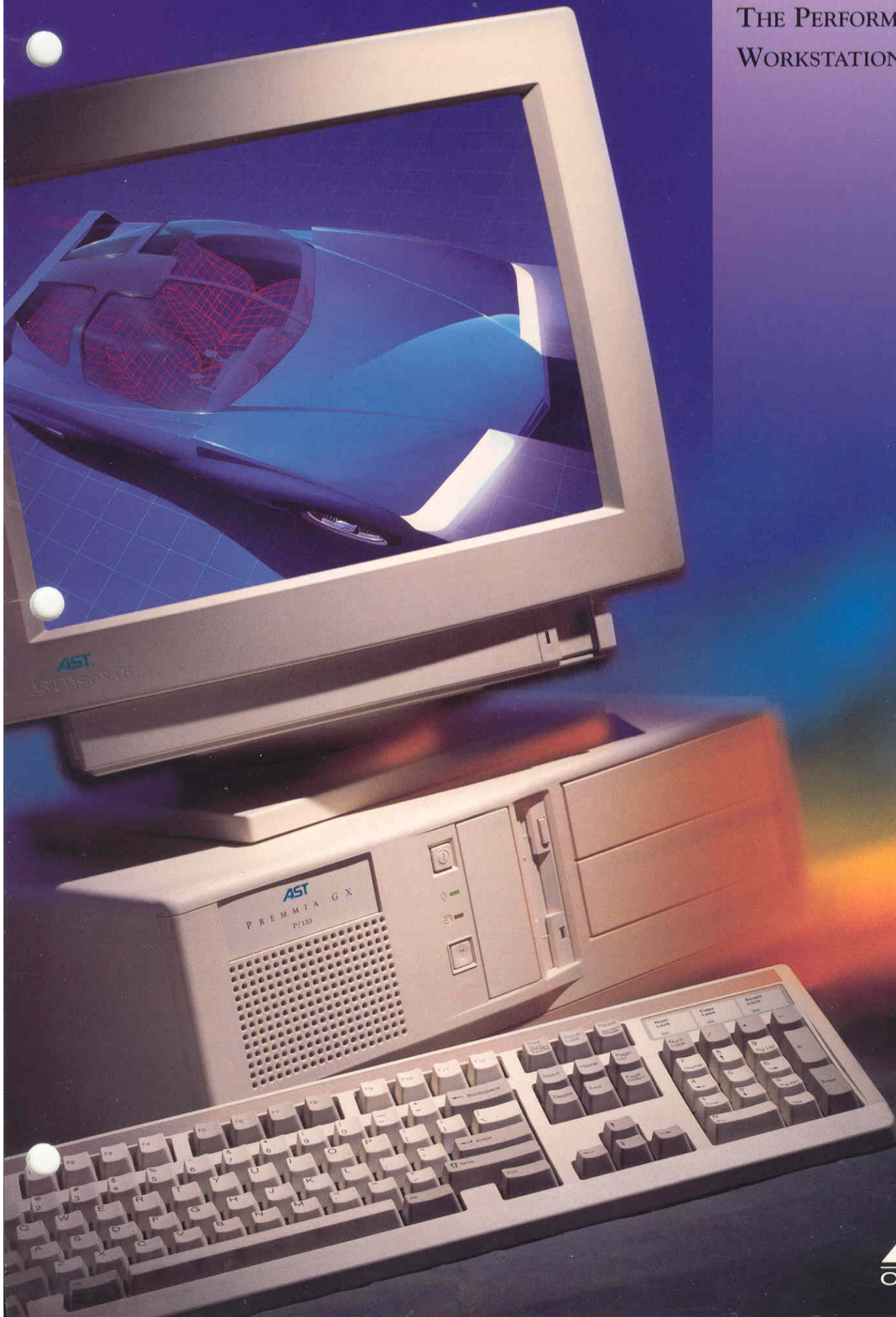


PREMMIATM GX

THE PERFORMANCE
WORKSTATION SOLUTION.

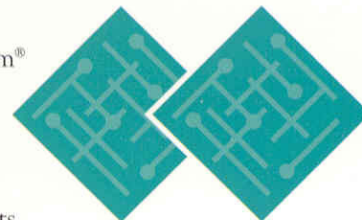


AST
COMPUTER

PREMMIATM GX

WORKSTATION POWER THAT'S ENTERPRISE COMPATIBLE.

The Premmia GX has been designed from the ground up to be the optimum Pentium[®] processor-based workstation. AST's advanced systems engineering team spared no details to create this highly-tuned workstation platform. With the Premmia GX, you'll find a system for intense technical, design and scientific applications that beats proprietary workstations hands-down.



Perfect for CAD/CAM, publishing, software development and other computing-intensive tasks, the Premmia GX is optimized for Windows NT[®], Unix, UnixWare, Solaris[™] and other 32-bit operating systems. And because it's designed as a workstation, every subsystem has been optimized as well. With the Premmia GX, we've created a



performance workstation that's compatible with your entire office enterprise.

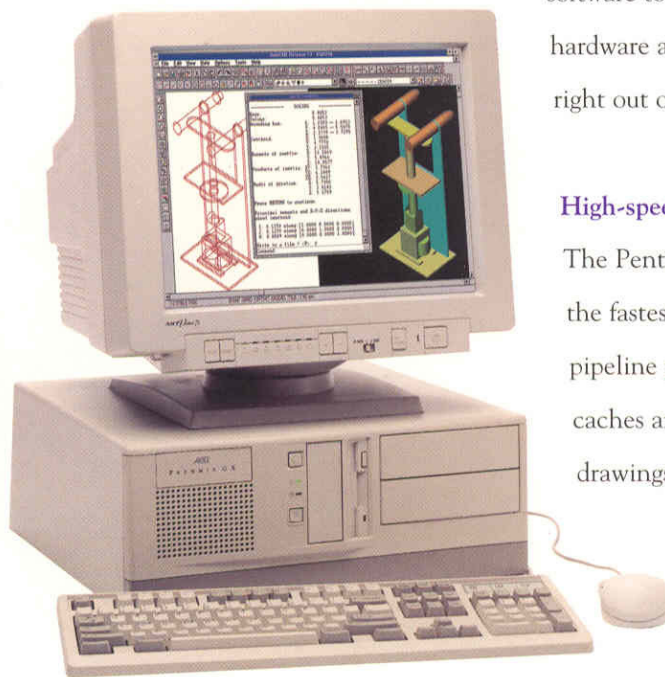
Truly unbridled dual processing capability.

The Premmia GX's multi-processing design allows two Pentium CPUs to be integrated into one system to dramatically accelerate performance - as much as 1.8 times faster in a multi-threaded environment. The key is MPSpec

compliance - a platform specification from Intel[®] that allows different OS software to control the operation of two CPUs, without an additional hardware abstraction layer. With the Premmia GX, you're compatible right out of the box.

High-speed cache for compute-intensive operations.

The Pentium power of the Premmia GX is maximized even further with the fastest cache on the market. At 8 ns, with zero wait state, burst pipeline performance, the Premmia GX's external 256 KB and 512 KB caches are the fastest possible, maximizing the processing of AutoCAD drawings, financial analysis, or scientific applications.

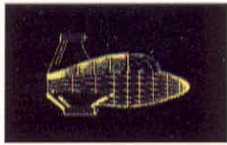


AutoCAD[®] screen capture provided courtesy of Autodesk, Inc.

REAL-TIME 3D GRAPHICS WITHOUT COMPROMISE.



When designing a true workstation, maximum CPU performance, RAM and cache are not enough.



Workstation performance demands superior graphics, and the Premmia GX offers incredible functionality.



Powered by a high-end, MGA™ Millennium 64-bit graphics accelerator, the system utilizes the new, dual-ported, WRAM (Window RAM), which is 50% faster than VRAM. It incorporates graphics, video and 3D acceleration in a single



chip. All this translates



to true color, high

resolution, and real-time 3D graphics that astound.

The Premmia GX supports over 20 on-the-fly productivity features for Windows and CAD applications. Fast, low-resolution rendering of smooth shaded polygons with texture mapping support brings design capabilities to new heights, and precise rendering of complex, lit polygons is ideal for scientific uses.

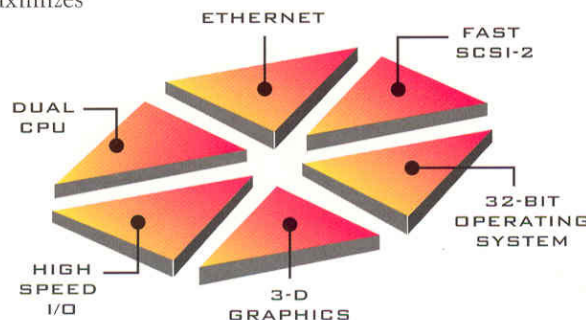
NETWORK READY. PERFORMANCE I/O.

The entire Premmia GX system – architecture, peripherals, graphics and more, reflect optimal engineering for a workstation solution. The system includes integrated Ethernet, so it offers enterprise communication capability built-in. The Premmia GX workstation can communicate with your entire office and access all network applications easily.

The high-speed I/O subsystem maximizes the performance potential of Pentium processing.

Integrated, high-throughput PCI-based FastSCSI-2 supports multiple data streams so the system doesn't stop short when faced with a multi-threaded environment.

It's a design optimized for 32-bit operating systems. From all sides, the picture is complete.



KEY FEATURES:

- Performance of a proprietary workstation at half the price, with the enterprise compatibility your business needs.
- Dual Pentium processing capability. MPSpec compliant to maximize dual processors under 32-bit operating systems.
- 64-bit, real-time 3D graphics for accelerated, video and 3D capability.
- Integrated Ethernet supporting connectivity to workgroup and WAN environments.
- PCI based FastSCSI-2 supporting multiple data streams.
- Windows NT pre-configured models, for turn-key solutions.
- Revolutionary easy-access chassis design. Superior cooling, sound dampening, plus rear-mounted external SCSI connector.

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COMPUTER

PREMMIA™ GX

COMPLETE WARRANTIES AND SUPPORT FROM A WORLDWIDE LEADER.

AST service and support goes beyond the expected. We offer excellent warranties including several custom service options. Our support programs also include online forums, and bulletin boards. They're the kind of extras that have made AST one of the most respected personal computer manufacturers in the world. A manufacturer you can trust, today... and tomorrow.

PREMMIA GX

INTEL PROCESSORS*:

- 133 MHz Pentium
- 100 MHz Pentium

PROCESSOR UPGRADABILITY:

- Dual-processor ready
- OverDrive® capable

GRAPHICS:

- PCI 64-bit 3D, 2D, video & graphics hardware acceleration
- 2 MB standard, expandable to 8 MB
- 24-bit color acceleration @ 1600x1200
- Fast WRAM technology

INTEGRATED ETHERNET:

- 16-bit design
- Insures industry-wide software support
- 710BaseT (UTP) and AUI ports standard

INTEGRATED FASTSCSI-2:

- High throughput SCSI connector supporting seven total internal and one external devices
- Automatic termination built-in
- External SCSI connector on back panel

IDE DRIVE INTERFACE:

- PCI-based Enhanced IDE drive connector supporting two devices

I/O ARCHITECTURE:

- 32-bit PCI/EISA I/O bus

MEMORY:

- 72-pin JEDEC, non-parity, 60 ns
- Six SIMM sockets
- Expandable to 192 MB on systemboard

CACHE:

- Primary: Integrated 16 KB
- Secondary: 256 KB standard (P/100), 512 KB standard (P/133)
- High speed 8 ns synchronous SRAM
- Burst performance on reads and writes

HARD DRIVES AVAILABLE:

- 1.6 GB E-IDE
- 2.0 GB SCSI

SOFTWARE*:

- Windows NT 3.51 configurations
- Windows 95 configurations
- AST FlashBIOS

EXPANSION (RISER CARD):

- Two 32-bit PCI slots
- Five 32-bit EISA slots

DISK DRIVES:

- 1.44 MB, 3.5" diskette drive
- Two 5.25" external
- Two 3.5" internal

STANDARD I/O:

- Two buffered serial ports (async 16550 UART)
- One bi-directional parallel port
- One PS/2 compatible mouse port

ERGONOMIC CHASSIS:

- Full-size chassis
- Thumb screws cover fasteners
- All drives mounted on sliding rails
- Central mounted cooling fan draws over system and accessory boards
- Superior thermal and sound deadening performance

KEYBOARD/MOUSE:

- 101/102 keyboard with Windows® 95 keys
- Microsoft Defender mouse (HD models)

POWER SUPPLY:

- 230 Watt
- 115 VAC switchable to 220 VAC

NEW OPTION KITS:

- 2 MB WRAM upgrade
- 6 MB WRAM upgrade
- Quad Speed CD-ROM
- Sound/Audio kit

* Models may vary by country.



pentium
PROCESSOR

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