

HP Apollo Series 700 Model 720 Workstation



Overview

The PA-RISC-based HP Apollo Series 700 Model 720 delivers the best price/performance on a desktop. Integrated graphics include leadership X11 and 2D/3D vector performance. Outstanding 3D color modelling and rendering options are also supported.

The Model 720 supports the UNIX-based, HP-UX operating system. And OSF/1 will be supported to provide access to the emerging operating system standard. Exceptional ease of use is provided through the HP VUE user interface, based on OSF/Motif.

HP – The Leader in RISC-based Systems

Hewlett-Packard offers the broadest RISC-based family of systems in the industry, and you can count on HP's high standards of quality, reliability, and customer satisfaction.

For more information or for the location of your local HP sales office, call 1-800-752-0900. In areas outside the U.S., contact your local HP sales office.

Features

Benefits

CPU Performance (50 MHz PA-RISC Processor)

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| 57 MIPS Integer | • Industry's best price/performance |
| 55.5 SPECmarks | |
| 17 MFLOPS Floating Point | • Speeds technical computations |

Graphics Options

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| GRX (Grayscale, 19", 1280 x 1024, 72 Hz) | |
| 870,000 X11 vectors/sec | • Industry's fastest X11 windowing performance. Improved productivity in CASE, DTP, and commercial applications |
| 1.15 million 2D/3D vec/sec | |
| 8-bit grayscale | • 256 shades for increased comprehension |
| CRX (Color 2D, 3D wireframe, 19", 1280 x 1024, 72 Hz) | |
| 1.15 million 2D/3D vec/sec | • Leadership windowing and vector performance ideal for design, engineering, and scientific applications |
| 8-bit color | • 256 colors from a palette of 16.7 million |
| 8/8 plane double buffering | • Allows smooth movement of dynamic images |
| GPCmark 3D Wireframe: 20.3* | • Exceptional application performance |
| PersonalVRX (Color, 3D solids, 19", 1280 x 1024, 60 Hz) | |
| 54,000 triangles/sec | • Fast solids rendering through X11/Starbase and X11/PHIGS |
| 37,000 quads/sec | |
| 16-bit Z buffer | • Speeds modelling and design |
| Virtual 24-plane dithering | • Realism eliminates errors and reduces costly prototypes |
| GPCmark 3D Solid: 16.5* | • Exceptional application performance |
| TurboVRX T2/T4 (Color, 3D visualization, 19", 1280 x 1024, 72 Hz) | |
| 671K/882K anti-aliased vec/sec | • Highest performance rendering allows manipulation of the largest models |
| 216K/330K triangles/sec | |
| 98K/138K quads/sec | |
| 24 image planes | • Realism eliminates errors and reduces costly prototype cycles |
| 24-bit Z buffer + 4 overlay planes | |
| 6th Order NURBS | • Provides realistic, complex shapes/curves |
| GPCmark 3D Solid: 39.2/62.1* | • Exceptional application performance |

Graphics Software

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| X11/PHIGS, X11/Starbase, X11/GKS | • Speed and realism through standards enhance the capabilities of all applications |
| Wavefront's Personal Visualizer
(with PVRX and TVRX options) | • Allows users to produce highly realistic renderings without large investment or training |

Memory and Cache

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| High bandwidth (128 bits) | • Improves application performance |
| CPU & RAM interface | |
| 16-64MB ECC RAM | |
| 128KByte Instruction Cache | |
| 256KByte Data Cache | |

Mass Storage

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| 210-840MB Internal | • A wide range of mass storage options to meet the need for easy access to large amounts of data |
| 10GB max. Disk with SCSI-II Plug-in | |
| 600MB CD ROM, 1.3GB 4mmDAT | |

Standard Interfaces

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| Integrated I/O Subsystem | • Low cost, high performance |
| IEEE 802.3 (Thick & Thin Net) | • Allows quick and easy integration in heterogeneous networks |
| EISA (Optional), SCSI-II,
RS 232(2), Centronics, HP-HIL | • Simple connection of high-speed, low-cost disks and other peripherals |

Cooperative Computing Products

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| NCS, Passwd Etc. | • Supports distributed applications, ease of administration in a networked environment |
| Task Broker | • Provides users with access to all available power on the network |
| Net LS | • Allows licensing of applications based on actual usage |

User-friendly Features

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| HP VUE, OSF/Motif,
X11 Window System | • Ease of use through standards. |
| Instant Ignition | • Provides immediate productivity through a preinstalled and preconfigured environment |

*Series of benchmarks from NCGA.

