

# HP Apollo Series 700 Model 750 Workstation



## Overview

The PA-RISC-based HP Apollo Series 700 Model 750 offers industry-leading performance and expandability in a desk-side system. Large RAM and disk capacities make the Model 750 ideal for server applications. Optional graphics can be added for the industry's fastest X11 and 2D/3D vector performance. Outstanding 3D color modelling and rendering options are also supported.

The Model 750 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 (66 MHz PA-RISC Processor)

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|--------------------------|--|
| 76 MIPS Integer          | • Industry's leading performance and expandability |
| 72.2 SPECmarks           |  |
| 22 MFLOPS Floating Point | • Speeds technical computations                    |

### Graphics Options

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|---|--|
| CRX (Color 2D, 3D wireframe, 19", 1280 x 1024, 72 Hz)             |  |
| 910,000 X11 vectors/sec   | • Leadership windowing and vector performance ideal for design, engineering, and scientific applications |
| 1.15 million 2D/3D vec/sec  |  |
| 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: 24*   | • 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/195K quads/sec  |  |
| 24 image planes   | • Realism eliminates errors and reduces costly prototype cycles  |
| 24-bit Z buffer   |  |
| 6th Order NURBS   | • Provides realistic, complex shapes/curves  |
| GPCmark 3D Solid: 40/70*  | • 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) CPU & RAM interface | • Improves application performance                             |
| 16-192MB ECC RAM                              | • Users can choose the storage they need in fast, local memory |
| 256KByte Instruction Cache                    | • Improves database application performance                    |
| 256KByte Data Cache                           |  |

### Mass Storage

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|---------------------------------|--|
| 660MB-2.6GB (Internal Capacity) | • A wide range of mass storage options |
| 40GB max. Disk with SCSI-II     |  |
| 600MB CD ROM, 1.3GB 4mmDAT      |  |

### Standard Interfaces

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|--|--|
| 4 EISA Slots                           | • High-speed, industry-standard bus compatible with AT bus. Access to low cost plug-in cards |
| Integrated I/O Subsystem               | • Low cost, high performance   |
| IEEE 802.3 (Thick & Thin Net)          | • Allows quick and easy integration in heterogeneous networks                                |
| 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. | • Provides 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.

