

HP Apollo Series 700 Model 750 Workstation



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Series 700 Model 750 Overview

The PA-RISC HP Apollo Series 700 Model 750 offers industry-leading performance and expandability in a deskside 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 HP-UX UNIX 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, call 1-800-637-7740. In Canada, call 1-800-387-3867. Or contact your local HP sales office or authorized HP reseller.

Features

Benefits

CPU Performance (66 MHz PA-RISC Processor)

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| 76.7 MIPS Integer | • Industry leading performance and expandability |
| 77.5 SPECMarks | |
| 23.7 MFLOPS Floating Point | • Speeds technical computations |

Graphics Options

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| CRX (Color, 2D/3D wireframe, 19", 1280 x 1024, 72 Hz) | |
| 915,000 X11 vectors/sec | • Leadership windowing and vector performance ideal for design, engineering, and scientific applications |
| 1.16 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 |
| CRX-24 (24-bit Color, 2D/3D wireframe and visualization, 19", 1280 x 1024, 72 Hz) | |
| 623,000 X11 vectors/sec | • Leadership 24-plane windowing and vector performance ideal for scientific visualization applications |
| 1.15 million 2D/3D vectors/sec | |
| 24-bit color + 8 overlay planes | • 16.7M colors - True color; provides for text and graphics overlay |
| 12/12 plane double buffering | • Allows smooth movement of dynamic images |
| CRX-24Z (24-bit Color, 2D/3D solids and visualization, 19", 1280 x 1024, 72 Hz) | |
| 1.15 million 3D vectors/sec | • Exceptional application performance |
| 153K anti-aliased vectors/sec | • Clear display of complex wireframe models |
| 165K triangles/sec; 84K quads/sec | |
| 24-bit color + 8 overlay planes | • 16.7M colors - True color; provides for text and graphics overlay |
| 24-bit hardware Z buffer | • High-performance hidden line and surface removal |
| 12/12 plane double buffering | • Allows smooth movement of dynamic images |
| TurboVRX T4 (24-bit Color, 3D solids and visualization, 19", 1280 x 1024, 72 Hz) | |
| 471K anti-aliased vec/sec | • Highest-performance rendering allows manipulation of the largest models |
| 317K triangles/sec; 155K quads/sec | • Real-time rendering of large 3D models |
| 24 image planes | • Realism eliminates errors and reduces costly prototype cycles |
| 24-bit Z buffer | • High-performance hidden line and surface removal |
| Dual CRX | • Support of two 19", 1280 x 1024 monitors for increased screen space |

Graphics Software

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| X11/PHIGS, X11/Starbase, X11/GKS | • Speed and realism through standards enhance the capabilities of all applications |
| PowerShade Software w/Personal Visualizer | • Low cost access to dynamic shading and highly realistic renderings |

Memory and Cache

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| 32-384MB ECC RAM; 256KB Instr. Cache, 256KB Data Cache | • Improves application performance |
| | • Users can choose the storage they need in fast, local memory |
| | • Improves database application performance |

Mass Storage and Removable Media

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| 1.3GB-2.6GB (Internal Disk) | • A wide range of mass storage options for easy access to large amounts of data |
| 236GB max. Disk with Disk arrays | • Increased capacity, reliability, and performance |

600MB CD ROM, 2GB 4mmDDS (DAT), 4-8GB DDS-DC (DAT), Floppy Drive, Re-writable optical drive, 9-track, 1/2" tape

Connectivity

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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: IEEE 802.3 | • Low cost, high performance |
| SCSI-2, RS 232(2), Centronics, HP-HIL | • Allows quick and easy integration in heterogeneous networks |
| Optional: FDDI, X.25, IEEE 802.5 token ring, HP-IB, fast differential SCSI | • Simple connection of high-speed, low-cost disks and other peripherals |

Cooperative Computing Products

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| NCS, Passwd Etc., Task Broker, NetLS, OpenView Network Node Manager | • Provides distributed applications; provides users with access to all available power on the network |
| | • Allows licensing of applications based on actual usage; easy network administration |

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 |

