HP Apollo Series 700
Model 755 Workstation

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Series 700 Model 755 Overview

The PA-RISC HP Apollo Series 700 Model 755 offers industry-leading performance and expandability in a deskside system. Large RAM and disk capacities make the Model 755 an ideal shared local resource for computation and communication in a multitiered network environment. The CRX family of graphics options provides the industry's fastest X11 and 2D/3D vector performance, as well as outstanding 3D color modeling and rendering.

The Model 755 supports the HP-UX UNIX operating system. 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, from entry-level workstations to high-performance servers, and you can count on HP's high standards of quality, reliability, and customer satisfaction.

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Features	Benefits
CPU Performance (99MHz PA-RISC 7100 Processor)	
147 SPECmarks 80 SPECint 92 150 SPECfp 92 124 MIPS Integer 40 MFLOPS Floating Point (DP)	• Industry's highest-performance highly expandable deskside workstation • Speeds technical computations
Graphics Options	
CRX (8-plane color, 19", 1280 x 1024, 72 Hz) 971,000 X11 vectors/sec 1.16 million 2D/3D vec/sec 8-plane color 8/8-plane double buffering	 • Leadership windowing and vector performance ideal for design, engineering, and scientific applications • Smooth manipulation of large models • 256 colors from a palette of 16.7 million • Allows smooth movement of dynamic images
CRX-24 (24-plane color, 19", 1280 x 1024, 72 Hz) 652,000 X11 vectors/sec 680,000 2D/3D vectors/sec 24-plane color + 8 overlay planes 12/12-plane double buffering	 • Leadership 24-plane windowing and vector performance ideal for scientific visualization applications • 16.7 million colors, true-color; provides for text and graphics overlay • Allows smooth movement of dynamic images
CRX-24Z (24-plane accelerated color, 19", 1280 x 1024, 72 Hz) 652,000 X11 vectors/sec 150,000 3D anti-aliased vectors/sec 175,000 triangles/sec; 95,000 quads/sec 24-plane color + 8 overlay planes 24-bit hardware Z buffer 12/12-plane double buffering	 • Leadership windowing performance • Clear display of complex wireframe models • 16.7 million colors, true-color; provides for text and graphics overlay • High-performance hidden line and surface removal • Allows smooth movement of dynamic images
CRX-48Z (24-plane, accelerated, double buffered color, 19", 1280 x 1024, 72 Hz) 1.24 million X11 vectors /sec 1.2 million 3D anti-aliased vectors/sec 600,000 triangles/sec; 150,000 quads/sec 24-plane color + 8 overlay planes 24-bit hardware Z buffer 24/24-plane double buffering	 • Leadership windowing performance • Highest-performance rendering allows manipulation of the largest models • Real-time rendering of large 3D models • Realism eliminates errors and reduces costly prototype cycles • High-performance hidden line and surface removal • Allows smooth movement of dynamic images
Dual CRX	• Support of two 19" 1280 x 1024 color monitors for increased screen space
Graphics Software	
X11 R5, PEX, PHIGS, Starbase, PowerShade	• Speed and realism through standards enhance the capabilities of all applications • Low-cost access to dynamic shading and highly realistic renderings
Memory and Cache	
64-768MB ECC RAM; 256KB Instr.Cache, 256KB Data Cache	• Improves application performance
Mass Storage and Removable Media	
2GB - 4GB Internal Disk, 297.5GB max. Disk with Disk arrays	• A wide range of mass storage options for easy access to large amounts of data • Increased capacity, reliability, and performance
600MB CD ROM, 2GB 4mm DDS tape drive, up to 8GB DDS-DC tape drive Floppy Drive, re-writable optical drive, 9 track ½" tape drive	
Standard Interfaces	
Integrated I/O Subsystem: IEEE 802.3 (Thick or Thin); EISA, single-ended SCSI-II, fast-wide SCSI-II, RS 232 (2), CD-quality audio, Centronics, HP-HIL, optional FDDI Available EISA options: FDDI, X.25, IEEE 802.5 token ring, HP-IB, fast differential SCSI, SNA, Apollo Token Ring, ISDN, IEEE 802.3	• Low-cost, high-performance • Allows quick and easy integration in heterogeneous networks • Simple connection of high-speed, low-cost disks and other peripherals
Cooperative Computing Products	
NCS, Passwd Etc., OpenView Network Node Manager TaskBroker, NetLS	• Supports distributed applications; provides users with access to all available power on the network • Allows the licensing of applications based on actual usage; easy network administration
User-friendly Features	
HP VUE, OSF/Motif, X11 Window System Instant Ignition	• Ease of use through standards • Provides immediate productivity through a pre-installed and pre-configured environment