

# 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 desk-side 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.

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Features	Benefits
<b>CPU Performance (99MHz PA-RISC 7100 Processor)</b> 147 SPECmarks 80 SPECint 92 150 SPECfp 92 124 MIPS Integer 40 MFLOPS Floating Point (DP)	<ul style="list-style-type: none"> <li>Industry's highest-performance highly expandable desk-side workstation</li> <li>Speeds technical computations</li> </ul>
<b>Graphics Options</b> 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 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 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 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 Dual CRX	<ul style="list-style-type: none"> <li>Leadership windowing and vector performance ideal for design, engineering, and scientific applications</li> <li>Smooth manipulation of large models</li> <li>256 colors from a palette of 16.7 million</li> <li>Allows smooth movement of dynamic images</li> <li>Leadership 24-plane windowing and vector performance ideal for scientific visualization applications</li> <li>16.7 million colors, true-color; provides for text and graphics overlay</li> <li>Allows smooth movement of dynamic images</li> <li>Leadership windowing performance</li> <li>Clear display of complex wireframe models</li> <li>16.7 million colors, true-color; provides for text and graphics overlay</li> <li>High-performance hidden line and surface removal</li> <li>Allows smooth movement of dynamic images</li> <li>Leadership windowing performance</li> <li>Highest-performance rendering allows manipulation of the largest models</li> <li>Real-time rendering of large 3D models</li> <li>Realism eliminates errors and reduces costly prototype cycles</li> <li>High-performance hidden line and surface removal</li> <li>Allows smooth movement of dynamic images</li> <li>Support of two 19" 1280 x 1024 color monitors for increased screen space</li> </ul>
<b>Graphics Software</b> X11 R5, PEX, PHIGS, Starbase, PowerShade	<ul style="list-style-type: none"> <li>Speed and realism through standards enhance the capabilities of all applications</li> <li>Low-cost access to dynamic shading and highly realistic renderings</li> </ul>
<b>Memory and Cache</b> 64-768MB ECC RAM; 256KB Instr.Cache, 256KB Data Cache	<ul style="list-style-type: none"> <li>Improves application performance</li> </ul>
<b>Mass Storage and Removable Media</b> 2GB - 4GB Internal Disk, 297.5GB max. Disk with Disk arrays 600MB CD ROM, 2GB 4mm DDS tape drive, up to 8GB DDS-DC tape drive Floppy Drive, re-writable optical drive, 9 track 1/2" tape drive	<ul style="list-style-type: none"> <li>A wide range of mass storage options for easy access to large amounts of data</li> <li>Increased capacity, reliability, and performance</li> </ul>
<b>Standard Interfaces</b> 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	<ul style="list-style-type: none"> <li>Low-cost, high-performance</li> <li>Allows quick and easy integration in heterogeneous networks</li> <li>Simple connection of high-speed, low-cost disks and other peripherals</li> </ul>
<b>Cooperative Computing Products</b> NCS, Passwd Etc., OpenView Network Node Manager TaskBroker, NetLS	<ul style="list-style-type: none"> <li>Supports distributed applications; provides users with access to all available power on the network</li> <li>Allows the licensing of applications based on actual usage; easy network administration</li> </ul>
<b>User-friendly Features</b> HP VUE, OSF/Motif, X11 Window System Instant Ignition	<ul style="list-style-type: none"> <li>Ease of use through standards</li> <li>Provides immediate productivity through a pre-installed and pre-configured environment</li> </ul>

