

# HP Apollo Series 700 Model 735 Workstation



## Series 700 Model 735 Overview

The PA-RISC HP Apollo Series 700 Model 735 delivers the highest performance on a desktop. Integrated graphics include the industry's fastest X11, 2D/3D vector performance, and 48-plane solids performance on a desktop.

The well balanced Model 735 matches a high-performance CPU with a powerful I/O subsystem, providing high throughput to disks and networks and resulting in leading-edge application performance.

The Model 735 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 desktop workstation</li> <li>Speeds technical computations</li> </ul>
<b>Graphics Options</b>	
<b>GRX (Grayscale, 19", 1280 x 1024, 72 Hz)</b> 971,000 X11 vectors/sec 1.16 million 2D/3D vec/sec 8-plane grayscale	<ul style="list-style-type: none"> <li>Industry's fastest X11 windowing performance. Improved productivity in CASE, DTP, and commercial applications</li> <li>256 shades for increased comprehension</li> </ul>
<b>CRX (8-plane color, 19", 1280 x 1024, 72 Hz)</b> 971,000 X11 vectors/sec 1.16 million 2D/3D vec/sec 8-plane color 8/8-plane double buffering	<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> </ul>
<b>CRX-24 (24-plane color, 2D/3D wireframe and visualization, 19", 1280 x 1024, 72 Hz)</b> 652,000 X11 vectors/sec 680,000 2D/3D vectors/sec 24-plane color + 8 overlay planes 12/12-plane double buffering	<ul style="list-style-type: none"> <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> </ul>
<b>CRX-24Z (24-plane color, 19", 1280 x 1024, 72 Hz)</b> 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	<ul style="list-style-type: none"> <li>Exceptional application performance</li> <li>Clear display of complex wireframe models</li> </ul>
<b>CRX-48Z (24-plane, accelerated, double-buffered color, 19", 1280 x 1024, 72 Hz)</b> 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	<ul style="list-style-type: none"> <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> </ul>
Dual CRX	<ul style="list-style-type: none"> <li>Support of two 19" 1280 x 1024 color monitors for increased screen space</li> </ul>
<b>Graphics Software</b>	
X11R5, 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>	
32-400MB 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>	
520MB - 2GB Internal Disk, 125.4GB max. Disk with Disk arrays 600MB CD ROM, 2GB 4mm DDS (DAT), up to 8GB DDS-DC (DAT), 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); single-ended SCSI-II, fast-wide SCSI-II, RS 232(2), CD-quality audio, (optional) FDDI, Centronics, HP-HIL 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>