HP Apollo Series 700
Model 725/75 Workstation

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Series 700 Model 725/75 Overview

The HP Apollo Model 725/75 is the highest-performing expandable workstation in the power desktop family. The system delivers 110 SPECmarks (89), setting a new industry price/performance standard. The Model 725/75's graphics capabilities are derived from the industry's leadership price/performance Series 700 GRX and CRX graphics. They deliver 15,975 X11 perf and 1,100,000 2D/3D vec/second performance (peak).

The Model 725/75 supports a wide variety of industry-standard I/O interfaces, similar to the other members of the Series 700 family. To provide the best possible performance and cost savings for the user, the system has built-in local area networking (LAN), audio connection, four user EISA slots, external SCSI-2 port, bidirectional Centronics interface, two RS232 Serial ports, and HP-HIL.

For more information, contact any of our worldwide sales offices or HP Channel Partners (In the U.S., call 1-800-637-7740; in Canada, call 1-800-387-3867).

The information contained in this document is subject to change without notice.

Features	Benefits
CPU Performance (75Mhz PA-RISC 7100 Processor)	
86 MIPS 110 SPECmark89 61 SPECint92 113 SPECfp92 31 MFLOPS (DP)	• Industry's highest-performance desktop workstation • Industry leadership price/performance • Speeds technical computations
Graphics Options	

Grayscale
  19", 1280 x 1024, 72Hz Monitor
  15,975 X11 perf
  8-plane grayscale
	• Superb image detail
	• Leadership windowing and vector performance
	• 256 shades aid user comprehension

Color 19", 1280 x 1024, 72 Hz Monitor
  15,975 X11 perf
  1,100,000 2D/3D vectors /second
  27,000/15,000 triangles/quads per second
  8-plane color
	• Superb image detail
	• Leadership windowing and vector performance
	• Ideal for design, engineering, and scientific applications
	
	• 256 colors aid user comprehension

CRX-24 (24 plane, 3D wireframe)
  19", 1280 x 1024, 72 Hz Monitor
  15,975 X11 perf
  680,000 2D/3D vectors/second
  27,000/15,000 triangles/quads per second
  12/12-plane double buffering
  24-plane color + 8 overlay planes
	• Superb image detail
	• Leadership windowing and vector performance
	• Ideal for visualization and image processing, exceptional application performance
	
	• Allows smooth movement of dynamic images
	• 16.7 million simultaneously displayable colors

CRX-24Z (24 plane, Z-buffered, 3D solids)
  19", 1280 x 1024, 72 Hz Monitor
  15,975 X11 perf
  680,000 2D/3D vectors/second
 	
  175,000/94,000 triangles /quads per second
  12/12 plane double buffering
  24-plane + color 8 overlay planes
	• Superb image detail
	• Leadership windowing and vector performance through X11 and PHIGS
	• High-performance lighting and shading for surface rendering and data animation
	• Exceptional application performance
	
	• Allows smooth movement of dynamic images
	• 16.7 million simultaneously displayable colors

CRX-48Z (48-plane, Z-buffered, 3D solids)
  19", 1280 x 1024, 72 Hz Monitor
  15,975 X11 perf
  1,450,000 3D vectors/second
 	
  600,000/107,000 triangles/quads per second
  24-plane color + 8 overlay planes
  24/24 plane double buffering
	• Superb image detail
	• Leadership windowing and vector performance
	• High-performance lighting and shading for surface rendering and data animation
	• Exceptional application performance
	• Real-time rendering of large 3D models
	• 16.7 million simultaneously displayable colors
	• Allows smooth movement of dynamic images

Graphics Software	
X11/R5, PEX, PHIGS, Starbase, GKS, 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	
32-256MB; 256KB(I) and 256KB(D) Caches	• Improves application performance
Mass Storage and Removable Media	
1GB disk, 525MB CD-ROM, 1.44MB floppy	• A wide range of mass storage options for easy access to large amounts of data
User-friendly Features	
HP VUE, OSF/Motif, X11 Window System Instant Ignition	• Ease-of-use through standards • Provides immediate productivity through a preinstalled and preconfigured HP-UX environment
Standard Interfaces	
Integrated I/O subsystem:IEEE 802.3, SCSI-II, RS-232 (2), four-user EISA slots,Centronics, Audio I/O ports, HP-HIL	• Low-cost, high performance • Allows quick and easy integration in heterogeneous networks • Simple connection of high-speed, low-cost disks and other peripherals • Multimedia capability
Cooperative Computing Products	
NCS, Passwd Etc., Open View Network Node Manager, Task Broker, NetLS, OmniBack	• Supports distributed applications; provides users with access to all available power on the network • Allows licensing of applications based on actual usage; easy network administration