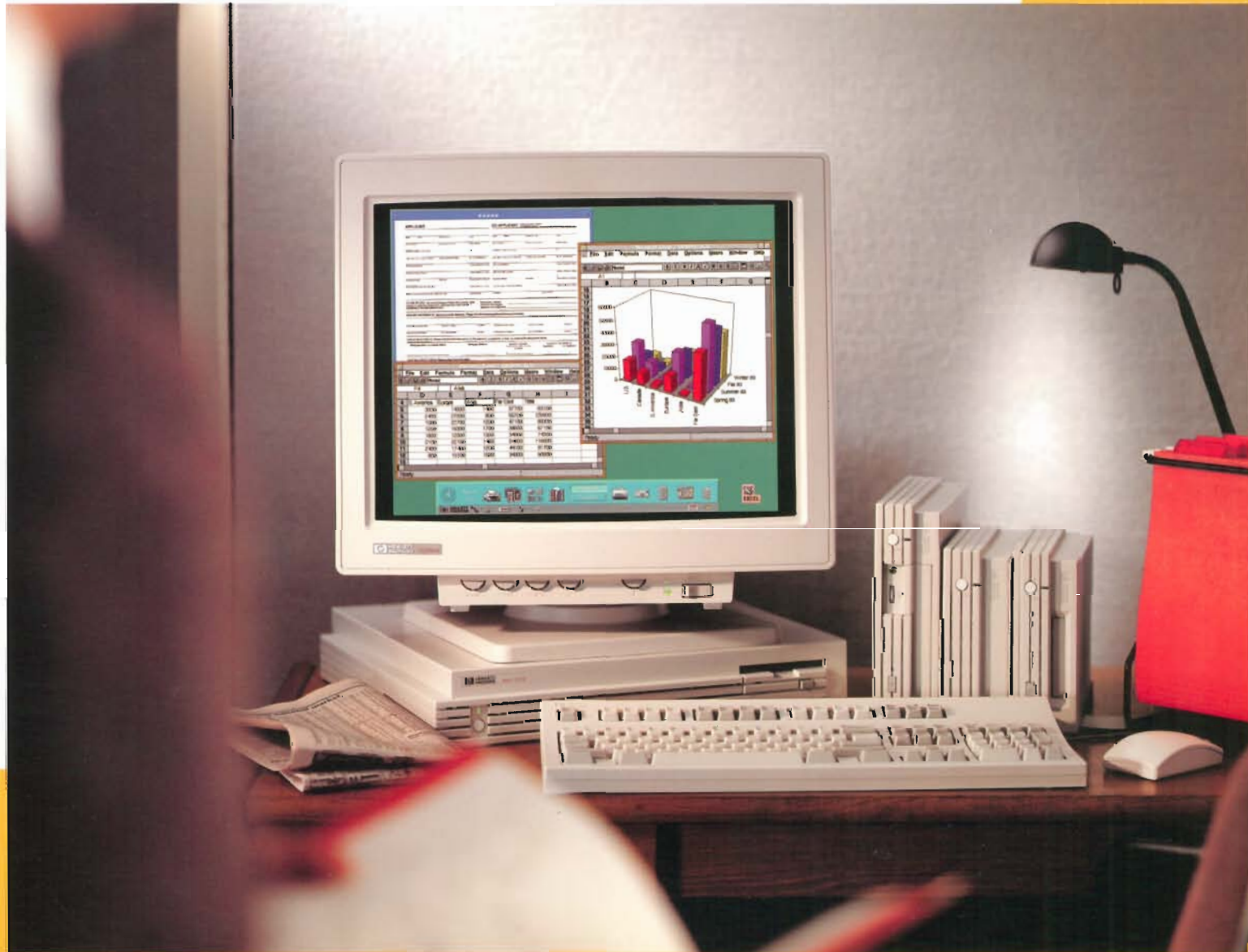


HP 9000 Series 700 Model 712/60 and 712/80 Workstations



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Series 700 Model 712 Workstations

The HP 9000 Model 712/60 and 712/80 workstations deliver outstanding computation, graphics, and networking performance at a very low cost. They are the workstations of choice for users of enterprise desktop applications that require fast processor and X Window

system performance. They also provide the solution for those seeking a workstation with outstanding graphics capabilities and superior integer performance for technical applications.

Models 712/60 and 712/80 are designed with ease of installation, expansion and serviceability in mind.

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	712/60	712/80	Benefits
CPU			
PA7100LC bi-endian processor			<ul style="list-style-type: none"> Integrated RISC technology for low cost Flexibility for multiple operating systems
Clock frequency	60MHz	80MHz	
Performance			
SPECint92	58.1	84.3	<ul style="list-style-type: none"> Superb performance at an entry price
SPECfp92	85.5	122.3	<ul style="list-style-type: none"> Outstanding speed for quick information retrieval and display to multiple windows
MFLOPS(DP)	12.8	30.6	<ul style="list-style-type: none"> Speeds technical computations
AIM APR II	44.5	73.8	
Memory and Cache			
Memory capacity	16-128MB	16-128MB	<ul style="list-style-type: none"> Useable systems now possible with only 16MB
Instruction/data cache	64KB	256KB	<ul style="list-style-type: none"> Expansion capabilities for quick solutions to challenging problems
Graphics			
All Color Monitors:			
11.8 inch 1024 x 768 flat panel			<ul style="list-style-type: none"> Choice of display sizes to suit any user's environment Ideal for multiple text or graphics windows and engineering applications
15 inch 1024 x 768			
17 inch 1024 x 768			
17 inch 1280 x 1024			
19 inch 1280 x 1024			
Performance			
Xmark	6.0	8.2	<ul style="list-style-type: none"> Leadership windowing and vector performance
X11 2D vectors/second	1.1M	1.45	<ul style="list-style-type: none"> Extremely quick display of the most complex images and windows
PLBsurf93	14	19	<ul style="list-style-type: none"> Strong 3D performance through HP PowerShade
Features			
Support for 640 x 480, 800 x 600, 1024 x 768, 1280 x 1024 resolutions			<ul style="list-style-type: none"> Excellent detail
Color recovery			<ul style="list-style-type: none"> Select the display for every price and performance requirement
Second display support			<ul style="list-style-type: none"> True color images at the price of an 8-color plane system Additional display space for multiple, data-intensive windows
Graphics Software			
X11/R5, PEX, PHIGS, PowerShade, Starbase, GKS			<ul style="list-style-type: none"> Speed and realism through standards enhance the capabilities of all applications
Multimedia			
16 bit CD quality stereo audio			<ul style="list-style-type: none"> Outstanding reproduction of voice, music, and other audio information
HP MPower 2.0 Capable			<ul style="list-style-type: none"> Access to user-friendly software for a wide variety of multimedia applications
JPEG and MPEG decompression			<ul style="list-style-type: none"> Display of video data at up to 30 frames/second
Mass Storage			
Internal capacity	260MB-1GB	260MB-1GB	<ul style="list-style-type: none"> A wide choice of prices and capabilities
Total external capacity	14GB	14GB	
Removable Media			
Internal option	1.44MB Floppy	1.44MB Floppy	<ul style="list-style-type: none"> Easy and inexpensive loading of data and PC applications
User-friendly Features			
HP VUE, OSF/Motif, X11 Window System			<ul style="list-style-type: none"> Ease of use through standards
Instant Ignition			<ul style="list-style-type: none"> Provides immediate productivity through a pre-installed and preconfigured HP-UX environment
Standard Interfaces			
Integrated I/O subsystem (Single-ended SCSI-II, RS-232C, Centronics, PS/2 connectors (2))			<ul style="list-style-type: none"> Allow quick and easy connection of high-speed, low-cost disks and other peripherals Support for industry-standard keyboards and mice Add inexpensive networking, graphics, and TeleShare capabilities
I/O expansion slots (2)			
Networking			
Standard EtherTwist LAN			<ul style="list-style-type: none"> Direct connection to inexpensive LAN networks
Standard LAN AUI			<ul style="list-style-type: none"> Adapt to any form of LAN cabling
Optional second LAN AUI			<ul style="list-style-type: none"> Access to two LAN networks simultaneously
Optional Token Ring /9000			<ul style="list-style-type: none"> Inexpensive connection to IBM Token Ring (IEEE 802.5) networks
Optional X.25			<ul style="list-style-type: none"> Up to 19.2 Kbps over X.25 wide area networks
Optional second serial port			<ul style="list-style-type: none"> Add additional serial printer, plotter, or input device
Cooperative Computing Products			
NCS, Passwd Etc., Task Broker, NetLS, OmniBack			<ul style="list-style-type: none"> Supports distributed applications
NFS, OpenView, SoftBench, The Ready-to-Wear Desktop Builder Kit (RTW DBK), Software Distribution Utility (SDU)			<ul style="list-style-type: none"> Ease of administration in a networked environment Provides users with access to all available power on the network Allows licensing of applications based on actual usage Automates system backup in a networked environment

