hp
workstation
c3600

data sheet

your ultimate performance machine

Pure processing power. The HP workstation c3600 draws its speed from the PA-8600 processor running at 552 MHz. Team the power of the PA-8600 with the c3600's capacity to support up to 8GB ram, 72GB internal disk, and six PCI cards, and you have a workstation that breaks through traditional bottle-necks of computation and desktop 3D design.

Complimented by robust system architecture with fast memory and disk technologies, the HP workstation c3600 is masterfully crafted and optimized to maximize bandwidth, minimize system latency, and boost performance.

hp workstation c3600	feature	benefit	advantage
performance	PA-8600 RISC-processor running at 552MHz	enables you to complete designs faster than any other desktop available today	supplies 38% more clock-speed than HP's award-winning PA-8500 processor
	1.5MB on-chip cache	enhances system performance with greater application speed and throughput	minimizes system latency with the industry's largest on-chip cache
	four-way set associative cache	requires less disk-to-cache access for instructions and data, providing higher performance	decreases the miss rate of direct mapped cache
	maximum main memory up to 8GB Synchronous DRAM	supplies higher application performance with less disk access; supports interactive work with large 3D models	delivers the largest RAM capacity available on any uni-processor workstation today
graphics	hp visualize-*fxe* graphics accelerator	enables universal access to all types of data across diverse, cross-functional teams	provides full-featured, 3D capability across all hp workstation platforms
	hp visualize-*fx⁵pro* graphics subsystem with 4 HP PA-RISC accelerators	supports faster visualization of mid-size mechanical assembles	delivers the industry's best mid-range 3D graphics performance for mechanical design work
	hp visualize-*fx¹⁰pro* graphics subsystems with 6 HP PA-RISC accelerators	supports faster visualization and interactive work with the largest 3D models	delivers the world's fastest 3D graphics performance for mechanical design work.
integration	rack mountable	saves space, particularly when deployed in your systems operations room	supports on-side configuration as well as upright, desktop placement
investment protection	expansive tower with 6 industry-standard PCI slots	gives you the flexibility to expand your system	provides more capacity for PCI I/O cards
	binary compatibility with future PA-RISC and Intel® Itanium™ processors	protects your investment in applications, data and systems	ensures smooth transition to hp's next-generation high-performance systems

hp workstation c3600 technical specifications

central processor
type	PA-8600
clock frequency	552MHz
number of processors	1

primary cache (on chip)
total cache	1.5MB
instruction	0.5MB
data	1.0MB

performance
HP workstation performance results can be found at:
http://www.hp.com/workstations/products/unix/performance.html

main memory
bus bandwidth	2GB/sec
RAM type	120MHz SDRAM
capacity	512MB-8GB
memory slots	8

PCI slots (6 total)
PCI 1X (half card)	2 slots
PCI 2X (full size)	3 slots
PCI 4X (full size)	1 slot

internal storage devices
Ultra 2 SCSI LVD	80 pin SCA connector
	2 drives maximum
	18GB (10K RPM)
	36GB (10K RPM)
	36GB (15K RPM)
	73GB (10K RPM)

removable media
CD-ROM or CD-RW*	1 internal
3.5 inch/1.44MB flloppy drive	1 internal

*HP-UX 11.0 and higher

external storage
NSE SCSI (HD50)	1 port - up to 7 devices
Ultra2 SCSI LVD(HD68)	1 port - up to 13 devices

networking interface
integrated	10/100 Base-Tx
LAN data rate	10/100 Mbits/sec

other I/O
serial interface 9-pin DIN	2 ports
parallel interface 25-pin DIN	1 port
USB Series A	2 ports
	(keyboard and mouse only)

audio
type	integrated, CD-quality stereo
inputs	stereo line-in, MIC-in
outputs	stereo line-out, internal speaker, headphones

monitor
18.1" (18.1" viewable)	1280x1024 res LCD flat panel display
19" (18" viewable)	1600x1200 res. Flat FD Trinitron® CRT display
21" (19.8" viewable)	1600x1200 res flat FD Trinitron CRT display
24" (22.5" viewable)`	1920x1200 res flat FD Triniton CRT display

operating system supported
hp-ux 11i TCOE (Technical Computing Operating Environment)
hp-ux 11i MTOE (Minimal Technical Operating Environment)
hp-ux 11.0 ACE9911
hp-ux 10.20 ACE9912

environmental specifications
altitude	
operating	0-3000m (0-10,000 ft)
non-operating	0-4500m (0-15,000 ft)
temperature	
operating	5 to +40 degrees C
non-operating	-40 to +70 degrees C
humidity	
operating	15 to 80% (non condensing)
vibration	
operating random	0.21 G rms, 5-500Hz
swept sine survival	0.5 G peak, 5-500Hz
random survival	2.09 G rms, 5-500Hz
safety	UL1950, CUL to CSA C22.2#950, and TUV GS Mark to EN60950/IEC950
emissions	FCC and CISPR Class B and VCCI Class B

physical dimensions
height	44.5cm (17.5 inches)
width	22.9cm (9.0 inches)
depth	49.5cm (19.5 inches)

physical dimensions with rack kit*
height	6 EIA units
width	45.1cm (17.75 inches) between columns
depth	66.5cm (25.8 inches)
rack orientation	system racks on its side

net weight
minimum configuration	20.9kg (45.9 lbs.)
fully loaded	25.4kg (55.8 lbs.)

power requirements
input current	7.4amps RMS max @ 100-120V
	3.8 amps RMS max @ 220-240V
line frequency	50-60Hz
maximum power input	805 watts @120 VAC, 60Hz

hp graphics

hp graphics	hp fxe	hp fx^5 pro	hp fx^{10} pro
graphics cards	4 max	1 max	1 max
max resolutions*	1600x1200	1920x1200	1920x1200
image planes/overlay	24/24DB**	24/24DB	24/24DB
planes	8 overlay	8 overlay	8 overlay
z-buffer	24-bit HW	24-bit HW	24-bit HW
stencil planes	4-bit HW	4-bit HW	4-bit HW
alpha planes	SW	8/8DB HW	8/8DB HW
texture memory	Std. 9.5MB	48MB***	110MB***
color maps			
image planes	2 image	2 image	2 image
overlay planes	2 overlay	2 overlay	2 overlay

*   with full feature set and 75Mz refresh
** DB=double buffered
*** at 1280x1024 resolution

The hp *c3600 workstation – power to invent in real time*

For the latest information about HP workstations:
http://www.hp.com/workstations