hp workstation
c3600

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.

<table>
<thead>
<tr>
<th>feature</th>
<th>benefit</th>
<th>advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA-8600 RISC-processor running at 552MHz</td>
<td>enables you to complete designs faster than any other desktop available today</td>
<td>supplies 38% more clock-speed than HP’s award-winning PA-8500 processor</td>
</tr>
<tr>
<td>1.5MB on-chip cache</td>
<td>enhances system performance with greater application speed and throughput</td>
<td>minimizes system latency with the industry’s largest on-chip cache</td>
</tr>
<tr>
<td>four-way set associative cache</td>
<td>requires less disk-to-cache access for instructions and data, providing higher performance</td>
<td>decreases the miss rate of direct mapped cache</td>
</tr>
<tr>
<td>maximum main memory up to 8GB Synchronous DRAM</td>
<td>supplies higher application performance with less disk access; supports interactive work with large 3D models</td>
<td>delivers the largest RAM capacity available on any uni-processor workstation today</td>
</tr>
<tr>
<td>hp visualize fx pro graphics accelerator</td>
<td>enables universal access to all types of data across diverse, cross-functional teams</td>
<td>provides full-featured, 3D capability across all hp workstation platforms</td>
</tr>
<tr>
<td>hp visualize fx pro graphics subsystem with 4 HP PA-RISC accelerators</td>
<td>supports faster visualization of mid-size mechanical assemblies</td>
<td>delivers the industry’s best mid-range 3D graphics performance for mechanical design work</td>
</tr>
<tr>
<td>hp visualize fx pro graphics subsystems with 6 HP PA-RISC accelerators</td>
<td>supports faster visualization and interactive work with the largest 3D models</td>
<td>delivers the world’s fastest 3D graphics performance for mechanical design work</td>
</tr>
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<tr>
<th>integration</th>
<th>benefit</th>
<th>advantage</th>
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<tr>
<td>rack mountable</td>
<td>saves space, particularly when deployed in your systems operations room</td>
<td>supports on-side configuration as well as upright, desktop placement</td>
</tr>
</tbody>
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<tr>
<th>investment protection</th>
<th>benefit</th>
<th>advantage</th>
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<tr>
<td>expansive tower with 6 industry-standard PCI slots</td>
<td>gives you the flexibility to expand your system</td>
<td>provides more capacity for PCI I/O cards</td>
</tr>
<tr>
<td>binary compatibility with future PA-RISC and Intel® Itanium™ processors</td>
<td>protects your investment in applications, data and systems</td>
<td>ensures smooth transition to hp’s next-generation high-performance systems</td>
</tr>
</tbody>
</table>
## 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 Cache**: 0.5MB
- **Data Cache**: 1.0MB

### Performance
- **HP Workstation Performance Results**: [HP Workstation Performance Results](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
- **Maximum**: 2 drives
- **18GB (10K RPM)**
- **36GB (10K RPM)**
- **36GB (15K RPM)**
- **73GB (10K RPM)**

### Removable Media
- **CD-ROM or CD-RW**
- **1.44MB Floppy Drive**: 1 internal
- **3.5 inch**

* HP-UX 11.0 and higher

### External Storage
- **NSE SCSI (HD50)**
- **Ultra2 SCSI (HD68)**
- **1 port - up to 7 devices**
- **1 port - up to 13 devices**

### Networking Interface
- **Integrated**: 10/100 Base-Tx
- **LAN Data Rate**: 10/100 Mbps/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
- **21" (19.8" Viewable)**: 1600x1200 res flat FD
- **24" (22.5" Viewable)**: 1920x1200 res flat FD

### 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
- **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)

### Power Requirements
- **Input Current**
  - **100-120V**: 7.4amps RMS max
  - **220-240V**: 3.8 amps RMS max
- **Line Frequency**: 50-60Hz
- **Maximum Power Input**: 805 watts @ 120 VAC, 60Hz

### HP Graphics
- **Graphics Cards**: 4 max
- **Max Resolutions**
  - **1600x1200**
  - **24/24DB**
- **Image Planes/Overlay**
  - **8 overlay**
  - **4-bit HW**
- **Alpha Planes**
  - **8/8DB HW**
- **Texture Memory**
  - **48MB***
- **Color Maps**
  - **2 image**
  - **Overlay Planes**
  - **2 overlay**

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

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The hp c3600 workstation—power to invent in real time

For the latest information about HP workstations: [http://www.hp.com/workstations](http://www.hp.com/workstations)

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