**largest memory, smallest package available**

The HP workstation j6700 delivers industry leading performance, unparalleled memory and compute density. It will ensure that you complete your designs and simulations faster than any other UNIX two way workstation. Whether used as a deskside configuration optimized for your office environment or a racked solution, the hp j6700’s performance and reliability will satisfy the most demanding user.

When you need ultimate performance for today’s toughest designs and simulations with the capacity to handle tomorrow’s even bigger workloads, look to the HP workstation j6700. With HP and the HP workstation j6700, you have new ways to invent the future.

<table>
<thead>
<tr>
<th>hp workstation j6700</th>
<th>feature</th>
<th>benefit</th>
<th>advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>performance</strong></td>
<td>2 PA-8700 RISC processors running at 750MHz</td>
<td>puts more compute and visualization power behind EDA and CAE applications; provides higher application performance at a lower price</td>
<td>holds the fastest microprocessor on the market</td>
</tr>
<tr>
<td></td>
<td>16GB synchronous DRAM capacity</td>
<td>supports analysis of larger models</td>
<td>delivers higher application performance with less disk access; largest memory available</td>
</tr>
<tr>
<td></td>
<td>2.25MB on-chip cache</td>
<td>enhances system performance with greater application speed and throughput; lowers cost</td>
<td>minimizes system latency</td>
</tr>
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<td></td>
<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></td>
<td>64x64 operating system and microprocessor</td>
<td>improves large processing performance, such as full-chip simulation, logic synthesis and design rule checking</td>
<td>furnishes large address spaces</td>
</tr>
<tr>
<td></td>
<td>1.9GB/s I/O peak performance</td>
<td>delivers excellent file server performance</td>
<td>provides fastest data transfer to I/O</td>
</tr>
</tbody>
</table>

| integration | efficient rack mountable design | saves space, particularly when used in your compute room; up to 20 systems per 2m rack | flexible configurations increase system versatility |

| graphics | hp fxe graphics | enables universal access to all types of data across diverse, cross-functional teams | provides full-featured, 3D capability across all HP workstation platforms |
| | hp fx10/pro graphics | greater user productivity and performance in mechanical applications | delivers the world’s fastest 3D graphics performance for mechanical design and analysis work |

| investment protection | 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 |
### Central Processor
- **Type:** PA-8700
- **Clock Frequency:** 750MHz
- **Number of Processors:** 2

### Primary Cache (on chip)
- **Total Cache:** 2.25MB
- **Instruction Cache:** 0.75MB
- **Data Cache:** 1.50MB

### Performance
**HP workstation performance results can be found at:** [http://www.hp.com/workstations/products/unix/performance.html](http://www.hp.com/workstations/products/unix/performance.html)

### Main Memory
- **Bus Bandwidth:** 1.9GB/sec
- **RAM Type:** 120MHz SDRAM
- **Capacity:** 1GB-16GB
- **Memory Slots:** 16

### Internal Storage Devices
- **Ultra 2 SCSI LVD:** 80 pin SCA connector
- **8 drives maximum** (hot pluggable)
- **18GB (10K RPM)**
- **36GB (10K RPM)**
- **36GB (15K RPM)**
- **73GB (10K RPM)**

### Removable Media
- **CD-ROM/CD-RW** interface: 1 internal
- *Available on HP-UX 11.0 and higher only*

### External Storage
- **Ultra2 SCSI LVD:** 1 shared port – 13 devices
- **NSE SCSI:** 1 shared port – 7 devices

### Networking Interface
- **Integrated:** 10/100 Base-Tx
- **LAN Data Rate:** 10/100 Mbits/sec

### Other I/O
- **USB Series A:** 2 ports (keyboard and mouse only)
- **Serial Interface:** 2 ports

### Audio
- **Type:** Integrated, CD-quality stereo
- **Inputs:** Stereo line-in, MIC-in
- **Outputs:** Stereo line-out, internal speaker with frequency range of 25-20,000Hz, internal CD-ROM audio, headphone

### 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 Trinitron CRT display

### Operating Systems Supported
- **HP-UX 11i TCOE (Technical Computing Operating Environment)**
- **HP-UX 11i MTOE (Minimal Technical Operating Environment)**
- **HP-UX 11.0**

### Environmental Specifications
- **Altitude:**
  - Operating: 0-3000m (0-10,000ft)
  - Non-operating: 0-4500m (0-15,000ft)
- **Temperature:**
  - Operating: 0 +35 degrees C
  - Non-operating: -40 +70 degrees C
- **Humidity:** Operating: 15-80% (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

### Physical Dimensions
- **Height:**
  - Operating: 49.5cm (19.5 inches)
  - Non-operating: 48.3cm (19.0 inches)
- **Width:**
  - Operating: 13.7cm (5.4 inches)
  - Non-operating: 65.5cm (25.8 inches)
- **Depth:**
  - Operating: 62.2cm (24.5 inches)
  - Non-operating: 62.2cm (24.5 inches)

### Power Requirements
- **Input Current:**
  - Operating: 6 amps RMS max @ 100-120V
  - Non-operating: 3 amps RMS max @ 220-240V
- **Line Frequency:** 50-60Hz
- **Maximum Power Input:** 600 watts*
  - *Maximum power-configuration will vary*

### HP Graphics
- **Graphics Cards:**
  - 3 max
- **Max Resolutions:**
  - 1600x1200
  - 24/24DB
- **Image Planes/Oversets:** 24/24DB
- **Z-Buffer:**
  - 24-bit HW
  - 4-bit HW
- **Stencil Planes:**
  - 4-bit HW
  - 4-bit HW
- **Alpha Planes:**
  - SW
  - 8/8DB HW
- **Texture Memory:**
  - Std. 9.5MB
  - Std. 110MB***
- **Color Maps:**
  - 2 image
  - 2 overlay

### HP FX
- **Graphics Cards:** 2 max
- **Max Resolutions:** 1600x1200
- **Image Planes/Oversets:** 24/24DB
- **Z-Buffer:**
  - 24-bit HW
  - 4-bit HW
- **Stencil Planes:**
  - 4-bit HW
  - 4-bit HW
- **Alpha Planes:**
  - SW
  - 8/8DB HW
- **Texture Memory:**
  - Std. 110MB***
- **Color Maps:**
  - 2 image
  - 2 overlay

### HP FX Pro
- **Graphics Cards:** 2 max
- **Max Resolutions:** 1600x1200
- **Image Planes/Oversets:** 24/24DB
- **Z-Buffer:**
  - 24-bit HW
  - 4-bit HW
- **Stencil Planes:**
  - 4-bit HW
  - 4-bit HW
- **Alpha Planes:**
  - SW
  - 8/8DB HW
- **Texture Memory:**
  - Std. 110MB***
- **Color Maps:**
  - 2 image
  - 2 overlay

* With full feature set and 75Mz refresh
** DB=Double buffered
*** at 1280x1024 resolution

* The hp workstation j6700 - 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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