The HP Workstation j6700 and HP Workstation j6750 are flexible, high memory capacity, dual PA-8700 750-MHz or dual PA-8700 + 875-MHz processor UNIX workstations providing incredible performance for handling very large design files, reducing the total compute time required, and enabling quicker time to market. Whether used as a deskside configuration optimized for your office environment or a racked solution, the HP j6700’s and HP’s j6750’s performance and reliability will satisfy the most demanding user. When you need the capacity for today’s toughest designs and simulations with room to spare for tomorrow’s even bigger workloads, look to the HP Workstation j6700 and HP Workstation j6750.

**features**

- Dual 750-MHz PA-8700 or dual 875-MHz PA-8700+ processors
- 16-GB SDRAM capacity
- 2.25-MB on-chip cache
- Four-way set associative cache
- 64-bit x 64-bit – operating system and microprocessor
- 1.9-GB/s I/O peak performance
- Efficient rack mountable design
- HP fxe graphics card
- HP fx10 pro graphics card
- HP Fire GLUX graphics card
- Binary compatibility with future PA-RISC and Intel® Itanium® processors

**benefits**

- Puts more compute and visualization power behind EDA and CAE applications and provides higher application performance at a lower price
- Supports analysis of larger models and delivers higher application performance with less disk access; largest memory available
- Minimizes system latency and enhances system performance delivering greater application speed and throughput
- Decreases the miss rate of direct mapped cache requiring less disk-to-cache access for instructions and data yielding higher performance
- Furnishes large address spaces for improved large processing performance such as full-chip simulation, logic synthesis and design rule checking
- Provides fast data transfer to I/O for excellent file server performance
- Increases system versatility and redeployability with flexible configurations, save space - up to 20 systems per 2 m rack
- Provides full-featured, 3D capability for universal access to all types of data across diverse, cross-functional teams
- Delivers high-end 3D graphics performance for mechanical design and analysis for greater user productivity and performance
- Delivers fastest 3D UNIX graphics performance for mechanical design and analysis with greatest user productivity and performance
- Ensures smooth transition to HP’s next generation high-performance systems, protects your investment in applications, data and systems

rack up to 20 HP j6700 or HP j6750 workstations in a 2 m rack – gain the value of redeployability

largest memory, smallest package available

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## hp workstation j6700 and j6750 technical specifications

<table>
<thead>
<tr>
<th>Processor</th>
<th>hp j6700</th>
<th>hp j6750</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>PA-8700</td>
<td>PA-8700+</td>
</tr>
<tr>
<td>Clock frequency</td>
<td>750-MHz</td>
<td>875-MHz</td>
</tr>
<tr>
<td>Number of processors</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

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

### Main memory
- **Bus bandwidth**: 1.9-GB/s
- **RAM type**: 120-MHz ECC SDRAM
- **Capacity**: 1-MB to 16-GB
- **Memory slots**: 16 DIMMs

### Storage bays
- **Internal storage (2 bays)**
  - Up to 2 devices, 146-Gb maximum
- **External storage**
  - NSE SCSI (HD50)
  - Ultra2 SCSI LVD

### Removable media
- **Optical drive**: 1 slim line optical, 2 Ultra 2 SCSI LVD
- ** Expansion slots (3 total)**
  - PCI 4X (full size)
    - 3 slots, 64-bit 3.3-volt 66-MHz
    - 20 watts per slot

### Integrated networking
- **LAN data rate**: 10/100-Mb/s

### Built-in I/O
- **Serial interface**: 9-pin DIN
  - 2 ports (keyboard and mouse only)
- **USB (Universal Serial Bus) Series A**: 2 ports
- **Audio**
  - **Type**: integrated, CD-quality stereo
  - **Inputs**: stereo line-in, MIC-in
  - **Outputs**: stereo line-out, internal speaker with frequency range of 25-20,000-Hz, internal CD-ROM audio, headphone

### Environmental specifications
- **Altitude**
  - Operating: 0-3000 m (0-10,000 ft)
  - Non-operating: 0-4500 m (0-15,000 ft)
- **Temperature**
  - Operating: 5 to +35 degrees C
  - Non-operating: -40 to +70 degrees C
- **Humidity**
  - Operating: 15 to 80% (non-condensing)
- **Vibration**
  - Operating random: 0.21 G rms, 5-500-Hz
  - Swept sine survival: 0.5 G peak, 5-500-Hz
  - Random survival: 2.09 G rms, 5-500-Hz
- **Safety**
  - UL1950, CUL to CS6 C22.2 #950
  - and TUV GS, Mark to
  - EN60950/IEC950
- **Emissions**
  - FCC and CISPR Class A
  - and VCCI Class A

### Physical dimensions
- **Deskside configuration**
  - Height: 49.5 cm (19.5 inches)
  - Width: 13.7 cm (5.4 inches)
  - Depth: 65.5 cm (25.8 inches)
- **Racked configuration**
  - Height: 2-EIA units
  - Width: 48.3 cm (19.0 inches)
  - Depth: 62.2 cm (24.5 inches)

### Power requirements
- **Input current**
  - 6 amps RMS max @ 100-120 V
  - 3 amps RMS max @ 220-240 V
- **Line frequency**: 50-60-Hz
- **Maximum power input**: 600 watts (maximum power configuration will vary)

### Supported operating systems
- hp-ux 11i TCOE (Technical Computing Operating Environment)
- hp-ux 11i MTOE (Minimal Technical Operating Environment)
- hp-ux 11.0

### Monitors
- HP L2025 20 inch LCD, flat-panel
- HP L1325 18 inch LCD, flat-panel
- HP wide-aspect CRT 24 inch, wide aspect
- HP p1130 21 inch CRT, flat-screen
- HP P920 19 inch CRT, flat-screen

### Leadership graphics--entry 3D
- HP fx
  - 3 maximum, 24-MB FB memory, 9.5-MB maximum texture memory at 1280 x 1024 resolution

### Leadership graphics--high-end 3D
- HP fx² pro
  - 2 maximum, 128-MB FB memory, 110-MB maximum texture memory at 1280 x 1024 resolution

### Leadership graphics--extreme 3D
- HP Fire GLUX
  - 2 maximum, 128-MB FB memory, 110-MB maximum texture memory at 1280 x 1024 resolution

For more information about the HP leadership graphics program: [www.hp.com/go/leadershipgraphics](http://www.hp.com/go/leadershipgraphics)

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