ideal combination of price, form factor, and longevity

The HP workstation b2600 delivers performance, stability and value to OEMs, telecommunication customers and low-end designers who need a high performance long-term solution with a robust feature set. With a 500MHz PA-8600 processor, up to 4GB memory, full featured HP fx graphics, and high-speed disks the HP workstation b2600 has the capacity to reduce cycle times and easily cope with low to mid-range electronic design and mechanical design tasks such as circuit design and basic modeling.

HP introduces a new desktop form factor of the HP workstation b2600 – an attractive solution for those customers tight on real estate. Structured and designed to deliver to the customer an easy ordering and installation experience, the HP workstation b2600 gives you the power to invent with a system delivering the ideal combination of price performance and reliability.

<table>
<thead>
<tr>
<th>hp workstation b2600 feature</th>
<th>benefit</th>
<th>advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>performance</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PA-8600 RISC-processor running at 500MHz</td>
<td>puts more compute power behind your applications</td>
<td>gives you the power of the chip that won the “Best RISC Processor” award (Microprocessor Reports Editor’s Choice)</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</td>
</tr>
<tr>
<td>maximum main memory up to 4GB SDRAM</td>
<td>delivers higher application performance with less disk access</td>
<td>supports interactive work with complex 2D and entry 3D models</td>
</tr>
<tr>
<td>hp fx 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 fx5 pro graphics accelerator</td>
<td>supports faster visualization and interactive work with the largest 3D models</td>
<td>delivers fast 3D graphics performance</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>integration</th>
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<tbody>
<tr>
<td>rackmountable</td>
<td>saves space while offering relief to users needing to maximize real estate</td>
<td>supports up to 13 systems in one 2 meter rack</td>
</tr>
</tbody>
</table>

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<tr>
<th>investment protection</th>
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<tbody>
<tr>
<td>Binary compatibility with future PA-RISC and Itanium processors</td>
<td>protects your investment in applications, data and systems</td>
<td>ensures a smooth transition to HP’s next generation high-performance systems</td>
</tr>
<tr>
<td>full-featured base configuration</td>
<td>provides for a long, low maintenance life in embedded systems, OEM, and customer care platforms</td>
<td>offers a robust, common feature-set that’s fully functioning</td>
</tr>
<tr>
<td>slim desktop with 4 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>
</tbody>
</table>
## HP Workstation b2600 Technical Specifications

### Central Processor
- **Type:** PA-8600
- **Clock Frequency:** 500MHz
- **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:

### Memory
- **Bus Bandwidth:** 1.9GB/sec
- **RAM Type:** 120MHz SDRAM
- **Capacity:** 256MB-4GB
- **Memory Slots:** 4
- **PCI Slots (4 Total):**
  - PCI 1X (half card, 5V): 2 slots
  - PCI 2X (full size, 64-bit, 5V): 2 slots

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

### Removable Media
- CD-ROM or CD-RW*: 1 internal
  - *HP-UX 11.0 and higher

### External Storage
- **NSE SCSI** (HD50): via PCI card
- **Ultra2 SCSI LVD:** via PCI card

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

### Other I/O
- **Serial Interface:** 9-pin DIN, 2 ports
- **Parallel Interface:** 25-pin DIN, 1 port
- **USB (Universal Serial Bus):** 2 ports (keyboard and mouse only)

### Audio
- **Type:** via PCI card

### 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 11.00 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 +35 degrees C
  - Non-operating: -40 to +70 degrees C
- **Humidity:**
  - Operating: 15 to 80% (non condensing)
  - Non-operating: -40 to +70% (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:**
  - IEC 60825-1:1993/EN60825-1:1994 Class 1 for LEDs
- **Emissions:**
  - FCC and CISPR Class B
  - and VCCI Class B

### Physical Dimensions
- **Height:** 12.71cm (5.0 inches)
- **Width:** 40.64cm (16.73 inches)
- **Depth:** 45.69cm (18 inches)
- **Physical Dimensions with Rack Kit:**
  - Height: 3 EIA units
  - Width: 48.30cm (19 inches)
  - Depth: 49.57cm (17 inches)
  - Rack Orientation: Horizontal

### Net Weight
- **Minimum Configuration:** 18.21kg (40 lbs.)
- **Fully Loaded:** 20.26kg (44.5 lbs.)

### Power Requirements
- **AC Input:**
  - Max Current:
    - 100V: 0.360 kVA
    - 120V: 0.300 kVA
    - 200V: 0.180 kVA
    - 240V: 0.150 kVA
  - Typical Current:
    - 100V: 0.250 kVA
    - 120V: 0.210 kVA
    - 200V: 0.125 kVA
    - 240V: 0.105 kVA
- **Line Frequency:** 50-60Hz
- **DC Input:**
  - Max Current:
    - -48V: 0.75 kVA
    - -72V: 0.50 kVA
  - Typical Current:
    - -48V: 0.52 kVA
    - -72V: 0.35 kVA

### HP Graphics
- **Graphics Cards:**
  - Max Resolutions:
    - 1600x1200: 1920x1200
  - Image Planes/Overlay:
    - 24/24DB**: 24/24DB
  - Planes:
    - 8 Overlay
  - Z-Buffer:
    - 24-bit HW
  - Stencil Planes:
    - 4-bit HW
  - Alpha Planes:
    - SW
  - Texture Memory:
    - Std. 9.5MB
  - Color Maps:
    - Image Planes:
      - 2 image
    - Overlay Planes:
      - 2 overlay

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

the HP workstation b2600 – invent the future in real time

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

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