



hp
workstation
b2600



data sheet

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.

**hp workstation
b2600**

performance

feature

benefit

advantage

PA-8600 RISC-processor running at 500MHz

puts more compute power behind your applications

gives you the power of the chip that won the "Best RISC Processor" award (Microprocessor Reports Editor's Choice)

1.5MB on-chip cache

enhances system performance with greater application speed and throughput

minimizes system latency

maximum main memory up to 4GB SDRAM

delivers higher application performance with less disk access

supports interactive work with complex 2D and entry 3Dmodels

hp *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 *fx⁵ pro* graphics accelerator

supports faster visualization and interactive work with the largest 3D models

delivers fast 3D graphics performance

integration

rackmountable

saves space while offering relief to users needing to maximize real estate

supports up to 13 systems in one 2 meter rack

**investment
protection**

binary compatibility with future PA-RISC and Itanium processors

protects your investment in applications, data and systems

ensures a smooth transition to HP's next generation high-performance systems

full-featured base configuration

provides for a long, low maintenance life in embedded systems, OEM, and customer care platforms

offers a robust, common feature-set that's fully functioning

slim desktop with 4 industry-standard PCI slots

gives you the flexibility to expand your system

provides more capacity for PCI I/O cards

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:
<http://www.hp.com/workstations/products/unix/performance.html>

main 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	10/100 Base-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) Series A	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)
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 950:1991+A1+A2+A3+A4 / EN 60950:1992+A1+A2+A3+A4 IEC 60825-1:1993/EN60825-1:1994+A11 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	typical current
100V	0.360 kVA	0.250 kVA
120V	0.300 kVA	0.210 kVA
200V	0.180 kVA	0.125 kVA
240V	0.150 kVA	0.105 kVA
line frequency	50-60Hz	

dc input	max current	typical current
-48V	0.75 kVA	0.52 kVA
-72V	0.50 kVA	0.35 kVA

hp graphics	hp fx	hp fx⁵ pro
graphics cards	4 max	1 max
max resolutions*	1600x1200	1920x1200
image planes/overlay planes	24/24DB**	24/24DB
z-buffer	8 overlay	8 overlay
stencil planes	24-bit HW	24-bit HW
alpha planes	4-bit HW	4-bit HW
texture memory	SW	8/8DB HW
color maps	Std. 9.5MB	48MB***
image planes	2 image	2 image
overlay planes	2 overlay	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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