



## hp workstation i2000



## data sheet

### the first of a new generation

The HP Workstation i2000 is the first workstation of a new era of computing based on the Intel® Itanium™ architecture, co-invented by Intel and HP. This architecture will set the pervasive 64-bit standard, and will eclipse RISC architectures in the next few years. Today, the HP Workstation i2000 is already delivering leadership 64-bit floating point performance; outstanding for any first generation of a new architecture.

No other architecture in history has been introduced with such a wide variety of applications ported to three operating systems. It supports three 64-bit operating systems; HP-UX 11i version 1.5, Microsoft® Windows® XP 64-bit Edition, and Red Hat® Linux 7.2 for the Intel Itanium processor, allowing flexible productivity in today's heterogeneous operating environments.

The HP Workstation i2000 is available in two configurations. Our dual processing high performance model is ideal for the toughest problems in Computer Aided Engineering (CAE), Life Sciences, secure web serving, and will also perform well across a wide variety of applications, such as Digital Content Creation (DCC). Our economically priced uniprocessor model is perfect for application porting and development. Software ported to this first generation will have full binary compatibility with next generation of Itanium-based systems. Ignite workstation performance today, with the HP Workstation i2000.

hp workstation i2000	feature	benefit	advantage
<b>performance</b>	1 or 2 Intel® Itanium® processors	excels at floating point performance	powerful floating point processing particularly suits CAE, offering performance or price/performance flexibility
	hardware acceleration for encryption and decryption, plus HP-UX cryptography libraries	excels in encrypted web serving	leadership performance for secure e-commerce
<b>flexibility</b>	two configurations: <ul style="list-style-type: none"> <li>• 1-way 733MHz processor, 1GB RAM</li> <li>• 2-way 800MHz processors, 2GB RAM</li> </ul>	choice of single processor or dual processor performance	configure for your needs: <ul style="list-style-type: none"> <li>• 1-way system for application porting and development</li> <li>• 2-way system for maximum performance for early adopters</li> </ul>
	native execution environment with HP-UX 11i v1.5 and Object Code Translation	PA-RISC binaries run natively	easy transition of HP-UX applications to Intel Itanium architecture, no recompiling necessary
	3 operating systems supported: <ul style="list-style-type: none"> <li>• HP-UX 11i v1.5</li> <li>• Microsoft® Windows® XP 64-bit Edition</li> <li>• Red Hat® Linux® 7.2</li> </ul>	Delivering the best operating systems to suit your needs	OS changes do not require hardware changes; it's a safe hardware purchase
	may be clustered to form compute farms with Linux and HP-UX	allows computation of the largest intensive data sets in CAE, life sciences, and other markets	faster compute times can mean quicker time-to-market
<b>leadership graphics</b>	NVIDIA® Quadro2 Pro™	industry-standard 2D and 3D card for medium and large sets in the MCAD and DCC markets (accelerated 3D on Windows only)	excellent mid-range performance in these markets under Windows XP 64-bit Edition
<b>investment protection</b>	HP's strong partnerships with Independent Software Vendors (ISVs)	HP works closely with selected ISVs on porting and optimization programs for HP-UX, Windows, and Linux	faster throughput, better response times, next generation compatibility for tuned applications
	HP Itanium-based consulting services	optimize code quickly; learn how to develop faster code with HP, the architecture co-inventors	spend less time porting, tuning, getting your environment optimized on Intel Itanium processors
	investment protection program	financial incentives when the next generation Intel Itanium processors become available	get rewarded for your vision, protect your investment

# hp workstation i2000 technical specifications

<b>central processor</b>	
type	Intel® Itanium™ processor
clock frequency	733 or 800MHz
number of processors	1 or 2

<b>cache</b>	L1: 16KB code, 16KB data L2: 96KB L3: 2MB (high speed off chip)
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<b>performance</b>	SPECfp®2000: 655* SPECint®2000: 365*
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hp workstation i2000 performance results can be found at:  
<http://www.hp.com/workstations/products/itanium/performance.html>

\*1-way 800MHz, 2MB cache - SPECfp2000 on Windows XP 64-bit Edition, SPECint2000 on HP-UX 11i v1.5

<b>main memory</b>	
front side bus	266MHz front side bus
bus bandwidth	4.2GB/sec peak
RAM type	PC100 SDRAM
capacity	16GB
memory slots	16 DIMMs

<b>operating systems supported:</b>	
HP-UX 11i v1.5 (media included at no charge)	
Windows® XP 64-bit Edition (media included at no charge)	
Red Hat Linux 7.2 for the Intel Itanium processor	

<b>expansion slots (8 total)</b>	
PCI-4X	5 slots full length
PCI-2X	2 slots full length
AGP	1 slot full length*

\* Supporting AGP-1X, 2X, 4X, or AGPpro-110

<b>internal storage devices and bays</b>	
Ultra160 SCSI	18GB (10K rpm)
up to 5 devices, 180GB max.	36GB (10K rpm)
3.5 inch removeable media bays	1
5.25 inch removeable media bays	3
Hard disk bays (1")	5

<b>external storage</b>	
Interface	Ultra160 SCSI LVD
External connectors	2 68-pin LVD/SE connectors

<b>removable media</b>	
DVD ROM	1
SuperDisk LS-120/240 Drive	1

<b>networking (integrated)</b>	
protocol	10/100 BaseT
data rate	10/100 Mbit/sec

<b>built-in I/O</b>	
USB Series A	4 ports
PS2	2 ports
serial interface	1 port

<b>audio</b>	
type	stereo

<b>monitors (available)</b>	18" Flat Panel LCD 19" Flat Screen CRT 21" Flat Screen CRT
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<b>environmental specifications</b>	
temperature	
operating	+10°C to +40°C (+50°F to +104°F)
non-operating	-40°C to +70°C (-40°F to +158 °F)

<b>physical dimensions</b>	
height	43.9 cm (17.3 in)
width	25.1 cm (9.9 in)
depth	59.6 cm (23.5 in)

<b>net weight</b>	
minimum configuration	38.1Kg (84 lbs)
fully loaded	50.3Kg (89 lbs)

<b>power requirements</b>	
input current	7.5 amps RMS max @ 100-120V 3.75 amps RMS max @ 220-240V
line frequency	50Hz to 60Hz
maximum power input	750 watts*

\*Maximum power - configuration will vary

<b>professional graphics</b>	
NVIDIA Quadro2 Pro*	single, integrated raster and geometry engine, 64MB unified DDR graphics memory

- \* Microsoft Windows XP 64-bit Edition - accelerated 3D graphics support
- HP-UX 11i v1.5 - remote 3D graphics only
- Linux - accelerated 2D graphics support  
3D graphics are remote only



*Invent the future with the HP Workstation i2000.*

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

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