



hp
pl-class
workstation



data sheet

designed for your engineering desktop

The HP pl-class workstation for Linux is ideal for work with locally executed IC design tasks. It powers your software applications with single or dual 1GHz Intel® Pentium® III processors with Advanced Transfer Cache. HP supports the HP pl-class workstation with the preloaded Red Hat® Linux 6.2 operating system for a reliable, cost-effective Linux solution.

The power of an HP workstation combined with the flexibility and stability of UNIX® makes for one incredible solution to your toughest high-end computation tasks.

hp pl-class workstation

feature	benefit	advantage
single or dual Intel Pentium III 1GHz Processor(s)	advanced transfer cache boosts power and efficiency behind demanding applications	provides superior computing performance with Intel's on-die 256K level 2 cache
hp memory architecture	provides up to 20% performance gain over RDRAM based systems	utilizes affordable 133MHz SDRAM for more cost-effective large memory implementations
mass storage expandability: up to 72GB internal disk	provides hard disk space and performance needed to work on large models and multiple designs	Ultra Wide SCSI 3's high data throughput and up to 72GB of storage mean greater productivity
Red Hat Linux 6.2	preloaded Red Hat Linux 6.2 assures easy startup	enjoy all the benefits of this widely implemented open source operating system
hp technical support	expert assistance for your Linux needs from one accessible, convenient source	hp bundles full support for faster problem resolution; hp also offers extended technical support packages
up to 2GB capacity SDRAM	larger capacity for more demanding applications and complex designs	high memory capacity at low density memory prices
hp instant network connection tool	simple, intuitive site-specific networking configuration allows users of all skill levels to connect to their networks	advanced administration and management of system components and settings
hp maxilife II	integrated with hp toptools for remote administration and monitoring	increases reliability and provides hardware self-diagnosis

leadership graphics

hp leadership graphics program	a wider range of graphics choices for applications that are fully supported on the platform	fast access to the industry's best graphics at varying performance & price points backed by more than 20 years of HP graphics expertise; for more information about the HP leadership graphics program: www.hp.com/workstations/programs/leadership_graphics/index.html
extreme 3D	hp fx ¹⁰	provides superior application performance for the largest, most complex visualization tasks
high-end 3D	hp fx ⁶	excellent application performance for large models and complex visualization tasks
entry 3D	ELSA® Synergy II	delivers excellent 2D and 3D graphics performance at an entry price point

fast access to the industry's best graphics at varying performance & price points backed by more than 20 years of HP graphics expertise; for more information about the HP leadership graphics program: www.hp.com/workstations/programs/leadership_graphics/index.html

hp fx¹⁰ delivers fast graphics performance with 6 PA-RISC geometry engines

hp fx⁶ delivers fast graphics performance with 3 PA-RISC geometry engines

provides excellent application performance for small visualization tasks

hp pl-class technical specifications

central processor	
type	Pentium III
clock frequency	800, 866MHz or 1GHz
number of processors	1-2
cache (on-chip)	
	256K L2
main memory	
bus bandwidth	2.0GB/sec
RAM type	SDRAM PC 133
capacity	2GB
memory slots	4 DIMMs
operating system	
	Red Hat Linux 6.2 (hp supported)
internal storage devices	
up to 2 devices, 72GB maximum:	
Ultra 3/160 SCSI	9GB (10K rpm) 18G (10K rpm) 36GB (10K rpm)
PCI slots (4 total)	
PCI 1X	3 - 32b 33MHz 5V
PCI 4X	2 - 64b 66MHz 3.3V
SCSI device connectivity	
the integrated Ultra 160/m SCSI cards has 4 connectors:	
connector 1	68-pin external connector for LVD SCSI devices
connector 2	68-pin internal connector for LVD SCSI devices
connector 3	68-pin internal connector for wide SE SCSI devices
connector 4	50-pin internal connector for narrow SE SCSI devices
removable media	
floppy drive	Integrated 3.5" floppy drive
cd drive(s) / up to 2 CD devices	48X CD-ROM
networking	
	RJ45
LAN data rate	10/100Mbps
other I/O	
serial interface 9-pin DIN	2 ports
parallel interface 25-pin DIN	1 port
audio	
type	18-bit stereo full-duplex
monitors	
	18.1" Flat Panel LCD 19" Flat Screen 21" Flat Screen

environmental specifications	
altitude	
operating	3100m (10000 ft.) max
storage	3100m (10000 ft.) max
temperature	
operating	
	+5°C to +35°C (+41°F to +95°F)
non-operating	
	+5°C to +35°C (+41°F to +95°F)
humidity	
operating	15% to 80% (relative)
physical dimensions	
height	48.30cm (19.02 in)
width	20.87cm (8.22 in)
depth	47.30cm (18.62 in)
net weight	
minimum configuration	15.93 kilograms (35.11 lbs)
power requirements	
input current	9.0 A @ 100-127Vac 4.5A @ 200-250Vac
line frequency	50Hz to 60Hz
maximum power input	100-127 or 200-250Vac
professional 3D graphics	
extreme 3D	
hp fx ¹⁰	6 PA-RISC geometry engines 64MB unified graphics memory
high-end 3D	
hp fx ⁶	3 PA-RISC geometry engines 64MB unified graphics memory
entry 3D	
ELSA Synergy II	OpenGL hardware acceleration 32MB combined frame buffer and texture storage- hardware triangle setup

For more information about the HP leadership graphics program and a complete listing of all graphics cards available for the HP x-class workstation:
www.hp.com/workstations/programs/leadership_graphics/index.html

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Printed in the USA
May, 2001
5980-3719ENUS