

Now with Linux – The Power of HP VISUALIZE Workstations

Now you can have both the ultimate power of the new Intel based HP VISUALIZE Personal Workstations and the flexibility of UNIX—all in one package.

Hewlett-Packard offers unique advantages to a customer seeking a reliable, cost-effective Linux solution. HP bundles focused support of the new HP VISUALIZE PL and XL-Class Linux Workstations with the Red Hat Linux 6.0 operating system preloaded. In addition to world-class technical support and system reliability, Linux customers benefit from HP's business and technical relationships with key ISV's.

As part of Hewlett-Packard's ongoing commitment to meeting all the computing needs of our customers, the Linux OS joins HP-UX and Windows NT in the HP VISUALIZE Workstations family.

Along the way, you can rest assured that your new HP VISUALIZE PL or XL-Class Linux Workstations will deliver many of the same great features and benefits brought by their HP VISUALIZE P and X-Class Personal Workstations counterparts.

Ideal Systems for EDA Work and More

The new HP VISUALIZE PL and XL-Class Linux Workstations are ideal systems for power-hungry electronic-design engineers who need the tools and stability offered by the Linux OS. They deliver leading performance on popular applications from the industry's top software vendors, including Synopsys, Mentor Graphics and Avant!

The high performance and exceptional value of these systems makes them an excellent solution for designers, scientists, and design analysts whose work demands the price-performance advantage of Intel processors, the flexibility of Linux and the proven reliability of HP systems.

The XL550: For Your Most Complex Problems

The HP VISUALIZE XL550 Linux Workstation is designed for the power user who performs simulations, formal verification, and other high-end computation tasks. It gives you the superior compute power of one or two 550MHz Intel Pentium III Xeon processors with 512KB of high-speed cache.

The XL550 is equipped with dual SCSI controllers, single or dual 9GB internal disks, supports up to 1GB of system memory and the ELSA GLoria Synergy+ graphics subsystem. In short, it provides the tools and performance you need to work unconstrained in today's competitive world.

The PL450: For Your Engineering Desktop

The HP VISUALIZE PL450 Linux Workstation is ideal for work with locally executed IC design tasks. It powers your software applications with a single 450MHz Intel Pentium III processor. The PL450 supports up to 768MB of system memory, a

9GB internal disk and the ELSA GLoria Synergy+ graphics subsystem. Best of all, it all comes to you in one highly affordable package.

Linux and Open Source

With Red Hat Linux powering the HP VISUALIZE PL and XL-Class Linux Workstations, you get a widely implemented distribution of the popular open source operating system. The benefits of open source range from the ability to develop custom tools and applications, to selecting from a growing number of commercial software and freeware solutions for Linux. Linux has proven to be a stable and efficient platform for a wide range of applications and solutions. Hewlett-Packard is pleased to offer yet another option to meet your technical computing needs.



HP
VISUALIZE
WORKSTATIONS


feature what you get
benefit how it helps you

Intel Pentium III and Pentium III Xeon Processors: PL – single 450MHz Pentium III XL – single or dual 550MHz Pentium III Xeon	Puts increased price-performance, power and efficiency behind demanding applications
Scalable System RAM PL – Scalable to 768MB of system memory XL – Scalable to 1GB of system memory	Enhances application performance and enables the engineer to work quickly with large SOC IC's
Mass Storage PL – Mass storage via single 9GB internal disk XL – Mass storage via single or dual 9GB internal disk(s)	Provides hard disk space needed to work on large models and multiple designs.
Red Hat Linux 6.0	The HP VISUALIZE PL and XL-Class Linux Workstations are preloaded with Red Hat Linux 6.0 and offer all the benefits of this widely implemented open source operating system
HP Technical Support	HP bundles full support for the PL and XL-Class Linux Workstations, and also offers extended technical support packages
HP Ultra Flow	Advanced cooling system with four thermally controlled fans. Keeps components cool, increases reliability, decreases total cost of ownership

PL and XL-Class technical specifications
Package

- Expandable mid-tower package
- HP Multifunction Ergonomic Keyboard with programmable application shortcut buttons
- HP 3-Button Mouse
- HP UltraFlow cooling system for optimal PC Workstation cooling

Processor

- Intel Pentium III and Pentium III Xeon Processors:
- PL - single 450MHz Pentium III
- XL - single or dual 550MHz Pentium III Xeon
- Support for Intel Multiprocessor Specification (MPS) 1.1 for dual-processor technology

Processor Cache

- 32K non-blocking level 1 cache and 512K non-blocking level 2 cache for fast access to priority data
 - Operates at full system bus speed (100MHz)

Graphics Subsystems

- ELSA GLoria Synergy + graphics subsystem with 8 MB SGRAM

System Memory

- 128 MB DIMM and 256 MB DIMM 100MHz ECC synchronous dynamic RAM (SDRAM) DIMM
- PL - Expandable to 768MB through three DIMM slots
- XL - Expandable to 1GB through four DIMM slots
- Error checking and correcting (ECC) for detection and correction of 1-bit errors and detection of 2-bit errors

Hard Disk Storage

- PL - Mass storage via single 9GB internal disk
- XL - Mass storage via single or dual 9GB internal disk(s)

Hard disk controller

- PCI Ultra Wide SCSI controllers with support for internal and external SCSI peripherals
- Integrated PCI Bus master Ultra ATA/33

Removable Media

- Integrated 1.44 MB floppy disk drive
- 32X CD-ROM Drive

Operating system

- HP-supported operating system: Red Hat Linux 6.0

Networking and I/O

- 10/100 Ethernet LAN interface with 32-bit auto-sensing
- Two USB ports
- One 25 pin parallel port
- Two 9 pin serial ports

The latest information about HP VISUALIZE Workstation products is available on the World Wide Web at <http://www.hp.com/visualize>.

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