

HP ProLiant servers offer what Dell PowerEdge servers don't.

Information in this document is obtained from www.dell.com and is updated quarterly. Information is accurate as of September 2004.

“The flexibility and consistency of common components, design features, and management capability across the different HP ProLiant models are virtually seamless.”
 Atul Gupta, Chairman and CEO
 Advanced Technologies Group, Inc.

Industrial-strength RAID
 RAID Advanced Data Guarding (ADG) is an HP exclusive that allows for any two drives to fail simultaneously without losing important data. It is unparalleled in fault tolerance to RAID 1 or 5—and typically at a lower implementation cost than RAID 1 with 10–56 drives. Dell does not offer RAID ADG or a comparable product.

Pre-failure warranty
 Most HP ProLiant servers provide a global pre-failure warranty on hard drives, memory, and processors. The components are managed and failures are detected through HP Systems Insight Manager. Most Dell PowerEdge servers have pre-failure alerting, but it covers only hard drives and memory.

ProLiant hot plug RAID memory
 HP has developed a wide array of superior advanced memory technologies to provide industry-leading data protection. HP Advanced Memory Protection includes hot plug mirrored memory and

hot plug RAID memory. Both are designed to maintain server availability and memory reliability without bringing down your server. Dell does not offer hot plug mirrored memory or hot plug RAID memory for PowerEdge servers, although memory mirroring is available on select servers.

Research and development
 Research and development have made HP a leader in bringing new industry standards to the market: eight-way servers, blade servers, hot plug redundant components, remote management, resilient memory, PCI hot plug, and industry-standard clusters . . . just to name a few.

Better together
 HP ProLiant servers are engineered to take specific advantage of design features in other HP products, and they are rigorously tested to ensure optimum performance. Consolidating your servers, storage, and software with HP substantially reduces complexity and cost in your IT environment.

Information regarding Dell PowerEdge servers was obtained from www.dell.com and is accurate as of September 1, 2004. This document is updated quarterly and is intended for distribution in the United States. Product comparisons are based on like feature sets. Not all Dell PowerEdge products are represented in this poster. When referring to hard drive capacity, 1 GB = 1 billion bytes; actual formatted capacity is less.

Warranties: Certain restrictions and exclusions apply. Certain options are covered by a 1-year limited warranty. Consult the Product Information Center at 1-800-345-1518 for details. Pre-failure warranties: Available on most ProLiant server processors, memory, and SCSI hard drives. Certain restrictions and exclusions apply. Consult the Product Information Center at 1-800-345-1518 for details.

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ProLiant ML110 server vs. PowerEdge SC420
 • The ProLiant ML110 server can be configured as a tower or rack server (via optional shelf kit). The PowerEdge SC420 is a tower server only.



ProLiant ML330 G3 server vs. PowerEdge SC1420
 • The ProLiant ML330 G3 server has a hot plug hard drive option. The PowerEdge SC1420 does not.
 • The ProLiant ML330 G3 server has both a tower and a rack-mountable option. The PowerEdge SC1420 is limited to tower only.
 • The ProLiant ML330 G3 server has a pre-failure warranty on hard drives, memory, and processors worldwide.



ProLiant ML350 G4 server vs. PowerEdge 1800
 • The ProLiant ML350 G4 server has a redundant fan option. The PowerEdge 1800 does not.
 • The ProLiant ML350 G4 server has a model with embedded RAID support standard. The PowerEdge 1800 does not have RAID support standard.



ProLiant ML370 G4 server vs. PowerEdge 2800
 • The ProLiant ML370 G4 server supports up to 16 GB of memory. The PowerEdge 2800 supports a maximum of 12 GB of memory.
 • The ProLiant ML370 G4 server has integrated remote management support standard with Integrated Lights-Out (iLO). The PowerEdge 2800 has management compliant with IPMI 1.5 standards with an optional DRAC/4i remote PCI card.



ProLiant ML570 G2 server vs. PowerEdge 6600
 • The ProLiant ML570 G2 server supports hot plug mirrored memory. The PowerEdge 6600 has memory mirroring capability, but no hot plug memory.
 • The ProLiant ML570 G2 server has support for up to 14 hot plug hard drives. The PowerEdge 6600 supports only 12 hot plug hard drives.



ProLiant DL140 server
 • The ProLiant DL140 server is an affordable, 1U,* dual-processor-capable server equipped with essential performance features that provide customers with a platform to design a fully optimized solution.
 • Dell does not offer a server that is directly comparable to the ProLiant DL140.†



ProLiant DL145 server
 • The ProLiant DL145 server supports AMD Opteron 200-series processors, with on-board memory controllers running at the speed of the processor—up to 16 GB of 2-way interleaved PC2700 memory, an embedded dual-channel Gigabit network adapter, a 133 MHz PCI-X I/O expansion slot, and support for 2 non-hot plug ATA or SCSI drives.
 • The 1U size, low power consumption, and support for dual Opteron processors provide customers with a high-performance, low-cost, density optimized solution.
 • Dell does not offer a server that is directly comparable to the ProLiant DL145.†



ProLiant DL320 G2 server vs. PowerEdge 750
 • The ProLiant DL320 G2 server offers a full-length PCI slot, providing more flexibility with regard to which PCI cards can be supported. The PowerEdge 750 only offers half-length PCI slots.
 • The ProLiant DL320 G2 SCSI solution does not require the use of a PCI slot. The PowerEdge 750 SCSI solution uses a PCI slot.
 • The ProLiant DL320 G2 server supports integrated ATA RAID for RAID 0 and 1 standard. The PowerEdge 750 does not support ATA RAID standard.



ProLiant DL360 G4 server vs. PowerEdge 1850
 • The ProLiant DL360 G4 PCI riser configuration allows customers to choose PCI-X slots, PCI-Express slots, or a combination of each. The PowerEdge 1850 forces customers to choose between all PCI-X or all PCI-Express. As of September 1, 2004, PCI-Express is not shipping in this model.
 • The ProLiant DL360 G4 server has remote management with Integrated Lights-Out (iLO) standard. The PowerEdge 1850 has management compliant with IPMI 1.5 standards with an optional DRAC/4i remote PCI card.
 • The ProLiant DL360 G4 server has an Ultra320 Smart Array 6i Controller for standard RAID support. PowerEdge 1850 customers must pay extra for RAID support.
 • The ProLiant DL360 G4 server offers a SATA drive option. The PowerEdge 1850 does not have a SATA option.



ProLiant DL380 G4 server vs. PowerEdge 2850
 • The ProLiant DL380 G4 server supported PCI-Express from the date it announced. The PowerEdge 2850 does not have PCI-Express support as of September 1, 2004.
 • The ProLiant DL380 G4 server offers a hot plug PCI option in this model. The PowerEdge 2850 has no hot plug PCI option.
 • The ProLiant DL380 G4 server has an Ultra320 Smart Array 6i Controller for standard RAID support. PowerEdge 2850 customers must pay extra for RAID support.



ProLiant DL560 server
 • The ProLiant DL560 server packs the power of 4 Intel® Xeon™ Processors MP into a rack-optimized 2U form factor.
 • The ProLiant DL560 server features an integrated Smart Array 5i Plus Array Controller with RAID support standard.
 • The ProLiant DL560 server comes standard with Integrated Lights-Out (iLO) remote management on the system board.
 • Dell does not offer a comparable 4-processor system in a 2U chassis.†



ProLiant DL580 G2 server vs. PowerEdge 6650
 • The ProLiant DL580 G2 server supports hot plug mirrored memory. The PowerEdge 6650 has memory mirroring capability, but no hot plug memory.
 • Every ProLiant DL580 G2 server ships standard with Integrated Lights-Out (iLO) remote management. The PowerEdge 6650 does not have an embedded remote management solution; it offers remote management only via a stand-up card.
 • The ProLiant DL580 G2 server has an Integrated Smart Array 5i Plus Controller with transportable battery-backed write cache. The PowerEdge 6650 offers only an embedded Ultra3 controller, with RAID support only via a stand-up card.



ProLiant DL585 server
 • The ProLiant DL585 server is the best-performing 4-way x86 server, combining AMD Opteron processor technology, best-in-class management, and outstanding uptime features in a system ideal for large data center deployments.
 • Dell does not offer a comparable server.†



ProLiant DL740 server
 • The ProLiant DL740 server supports up to 8 Intel Xeon Processors MP in an ultradense 4U form factor.
 • The ProLiant DL740 server has advanced memory features such as hot plug RAID memory with hot replace, hot add, and hot upgrade support.
 • Dell does not offer a comparable 8-processor system.†



ProLiant DL760 G2 server
 • The ProLiant DL760 G2 server features hot plug RAID memory for the ultimate in memory fault tolerance.
 • Dell does not offer a comparable 8-processor system.†



ProLiant BL20p G3 blade server vs. PowerEdge 1655MC
 • Each ProLiant BL20p G3 blade server supports up to 8 GB of memory. Each PowerEdge 1655MC blade server has only 2 GB of maximum memory.
 • The ProLiant BL20p G3 blade server has hot plug SCSI drive support. The PowerEdge 1655MC does not have hot plug SCSI hard drive support.



ProLiant BL30p blade server
 • The ProLiant BL30p blade server is a high-density, dual-processor-capable blade server. The design supports up to 96 BL30p blades in a 42U rack with non-redundant power and up to 80 BL30p blades in 42U with full power-redundancy.
 • The ProLiant BL30p blade server supports up to 2 Intel Xeon Processors with HT Technology (3.2 GHz, 2 MB L3 cache, 533 MHz FSB).‡
 • Today, Dell does not offer a comparable blade system.† Their original PowerEdge 1655MC supported Intel Pentium® III processors only.



ProLiant BL40p blade server
 • The ProLiant BL40p blade server is the first 4-way blade server in the ProLiant BL p-Class family, and is engineered for the back-end enterprise space.
 • The ProLiant BL40p blade server features up to 4 Intel Xeon Processors MP FC-PGA (up to 3.0 GHz), PC2100 ECC DDR memory (12 GB maximum with Online Spare), an Integrated Smart Array 5i Plus Controller, and 4 hot plug SCSI drives.
 • Dell does not have a 4-processor blade server at this time.†

* 1U = 1.75"
 † These product comparisons are the opinion of HP, based on comparable product features.
 ‡ Hyper-Threading Technology is designed to improve the performance of multithreaded software products; please contact your software provider to determine software compatibility. Not all customers or software applications will benefit from the use of Hyper-Threading Technology. Go to www.intel.com/info/hyperthreading for more information.

