COMPA Better	<b>Q</b> answers	For Customers who want more than 4GB of memory access: INFORMATION ABOUT INTEL PSE36 AND MICROSOFT PAF		
		Currently, most IA-32 microprocessor operating systems are capable of supporting only 32-bit memory a memory. Intel has provided the Physical Address Extensions (PAE) virtual memory management feature 64GB of physical memory. IA-32 microprocessor operating systems have been slow to adopt a PAE virtu For the Pentium II processors, Intel added Page Size Extension (PSE36) to simplify the virtual memory memory capacity over 4GB.		
		Compaq recommends customers research their pr work with both virtual memory management arcl the two management systems that include benefit	resent and future requirements for nitectures; however, Intel technic s and requirements:	or a management system cally supports the system
What is PSE36?	Intel offers Page Size Extension, 32-bit (PSE36), a memory management system for accessing memory over 4GB.		What is PAE?	The Physical Addres management system to the 32-bit system
How it Works	This implementation, like the PAE, allows a processor to extend the amount of memory that a system can manage, up to 64GB. Access to and from the upper memory is done by read and write routines that mimic ramdisk functionality. This results in the data being copied, which affects system performance.		How it Works	of physical memory the virtual memory r This implementation processor to extend t processor can manag
Benefits of PSE36	The new scheme allows up to 64GB of 4MB pages and allows access to all memory at the same time, providing a large-memory system.			extend the amount o providing the ability be positioned to acce
System Requirements	PSE36 is Edition, a The PSE suitably o processor include s	s supported by Windows NT 4.0, Enterprise Service Pack 3 or later. 36 driver runs on Intel Architecture with configured systems based on Pentium III Xeon rs. The system memory controller must support for 36-bit physical addressing.	<b>Benefits of PAE</b>	With Microsoft Win Intel 32-bit (IA-32) J for over 4GB of men up to 64GB of physic 4KB pages, providin available through the Intel. Customers wil Windows 2000, as th
	Note: 7 limited develop relevant	This system is intended for only a very number of hardware and software ers and should only be downloaded by t ISVs and OEMs, not end-users.	Support	Another feature of P ability to have more to 3GB of address sp the same time, provi- memory. PAE is su 2000 Advanced Serv UnixWare 7.x, and S

**Purchasing and Technical Support from Intel:** For more information on how to purchase PSE36 and detailed information go to: http://www.developer.intel.com/vtune/vtcd or http://www.intel.com/ebusiness/server/resources/pentiumiii/xeon/whitep **Microsoft support of PAE** : For more information, go to <u>http://www.microsoft.com/Windows/server</u>