





















Process	or			
How do p	ersonal comp	outer pr	ocessor <mark>s com</mark>	pare?
	Compar Personal	ison of Wide Computer P	ly Used rocessors	
	Name	Date Introduced	Clock Speed	
	Itanium 2	2002	1.3–1.5 GHz	
	Xeon	2001	1.4-3.06 GHz	
	Itanium	2001	733–800 MHz	
	Pentium 4	2000	1.4–3.2 GHz	
	Pentium III Xeon ™	1999	500–900 MHz	
	Pentium III	1999	400 MHz-1.4 GHz	
	Celeron	1998	266 MHz-2.6 GHz	
	Operon	2003	2–2.4 GHz	
Click to view video	Athlon MP	2002	1.53–2.25 GHz	
CIICK to view video	Athlon XP	2001	1.33-2.26 GHz	
	Athlon	1999	500 MHz-1.4 GHz	
p. 186 Fig. 4-8				Next





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Memory						
How is r > By n	nemory n umber of 1	neasured? bytes availa	ble for sto <mark>rage</mark>			
	Term	Abbreviation	Approximate Size			
	Kilobyte	KB or K	1 thousand bytes			
	Megabyte	MB	1 million bytes			
	Gigabyte	GB	1 billion bytes			
	Terabyte	TB	1 trillion bytes			
p. 194 Fig. 4-18				Next		











low I D or	much RAM do epends on type o 1 your computer	you need? of applications you ir	intend to run
RAM	128 to 256 MB	256 to 1 GB	1 GB and up
Use	<ul> <li>Home and business users managing personal finance</li> <li>Using standard application software such as word processing</li> <li>Using educational or entertainment CD-ROMs</li> <li>Communicating with others on the Web</li> </ul>	<ul> <li>Users requiring more advanced multimedia capabilities</li> <li>Running number-intensive accounting, financial, or spreadsheet programs</li> <li>Using voice recognition</li> <li>Working with videos, music, and digital imaging</li> <li>Creating Web sites</li> <li>Participating in video conferences</li> <li>Plaving Internet games</li> </ul>	<ul> <li>Power users creating professional Web sites</li> <li>Running sophisticated CAD, 3D design, or other graphics-intensive software</li> </ul>













































## **Putting It All Together** What are suggested processor, clock speed, and RAM requirements based on the needs of various types of users? Processor and Clock Speed Processor and Clock Speed User User Pentium® 4 or Athlon® XP Large Business Pentium<sup>a</sup> 4 or Athlon<sup>a</sup> XP 3 GHz or higher 1.7 GHz or highe DE C Celeron® or Duron® 1.2 GHz or higher Minimum RAM: 128 MB Minimum RAM: 512 MB Pentium® 4 or Athlon" XP Xeon" or Itanium® or Athlon" MP 2 GHz or higher 2.5 GHz or higher Minimum RAM: 1 GB Minimum RAM: 256 MB Pentium® 4 or Athlon® XP 1.8 GHz or higher Minimum RAM: 256 MB p. 213 Fig. 4-45 Next

