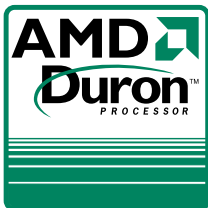


# PROCESSOR FEATURE COMPARISON CHART

A processor's overall performance is more than just megahertz.

While the Intel Pentium® 4 processor features higher numbers on both clock speed and system bus, its performance on things like productivity applications can be less than optimal.



Features and Benefits	PERFORMANCE			VALUE	
	AMD Athlon™	Pentium® 4	Pentium III	AMD Duron™	Celeron
<b>Clock Speed [MHz]</b> Faster clock speeds, in combination with key architectural features, usually can help improve application performance	1333MHz, 1300MHz 1200MHz, 1133MHz 1100MHz, 1000MHz 950MHz, 900MHz	1700MHz, 1500MHz 1400MHz, 1300MHz	1130MHz, 1000MHz 933MHz, 866MHz 850MHz, 800MHz and below	900MHz, 850MHz 800MHz	850MHz, 800MHz 766MHz, 733MHz 700MHz and below
<b>Operations Per Clock Cycle</b> More operations per clock cycle deliver faster execution of software	9	6	5	9	4
<b>Total Full-Speed, On-Chip Cache</b> Level 1 (L1) + Level 2 (L2) Larger on-chip cache helps loading and switching between applications	384K <sup>††</sup> 33% more on-chip cache than Pentium III or Pentium 4	264K (+ 12K $\mu$ op)	288K <sup>‡</sup>	192K 20% more on-chip cache than Celeron	160K
<b>Floating Point Pipelines</b> More pipelines help improve performance on 3D imaging, multimedia, and video editing	3	2	1	3	1
<b>Processor Bus Speed</b> Matched with the same speed of memory, a faster bus can help boost overall system performance	200MHz or 266MHz 2X more available bandwidth than Pentium III	400MHz	100MHz or 133MHz	200MHz	66MHz or 100MHz

<sup>††</sup> While all AMD Athlon processors currently being manufactured by AMD feature 256K of full-speed, on-die L2 cache memory, previous versions without on-die L2 cache may still be commercially available.

<sup>‡</sup> Not all currently available Intel Pentium III processors utilize on-chip L2 cache.

## KEY SELLING POINTS

### THE AMD ATHLON™ PROCESSOR

#### PERFORMANCE:

Enhances the performance of cutting-edge software applications for both home and business

#### SPEED:

Enables exceptionally smooth digital video from the Internet or DVD, and rapid rendering of image edits

#### POWER:

Enriches 3D landscapes on the Internet, in multimedia applications, or while playing today's hottest PC games

## KEY SELLING POINTS

### THE AMD DURON™ PROCESSOR

#### VALUE:

Delivers truly innovative technology at an affordable price

#### LONGEVITY:

Offers sound investment in a computer system that lasts

#### VERSATILITY:

Provides an excellent balance of performance and price for home or small business users

Visit our website  
[www.amd.com](http://www.amd.com)



# More than Speed, PERFORMANCE

## SELL AMD

- An industry leader with over 30 years of design and manufacturing experience
- Involvement in the microprocessor industry spans the entire history of PCs
- Has sold more than 150 million PC processors worldwide
- Provides a range of solutions for business or home users
- Four of the top five PC manufacturers use AMD processors

## SELL THE AMD ATHLON™ PROCESSOR...

- The high-performance processor for those who need the most advanced, innovative technology available
- Has won over 70 processor awards worldwide, as well as high praise from industry experts



## SELL AMD PROCESSORS

- Compatible with all versions of Microsoft® Windows® and other leading operating systems, as well as Microsoft Windows compatible software packages worldwide
- Innovative features and designs provide customers with technology that lasts
- Reliable solutions backed by years of experience and the support of dependable partners in the industry

## SELL THE AMD DURON™ PROCESSOR...

- Based on the AMD Athlon processor core, but optimized for value-conscious customers
- Technology your customers deserve, not just what they can afford

Perfect for **Basic** Users—  
Internet, email, bookkeeping, word processing, etc.

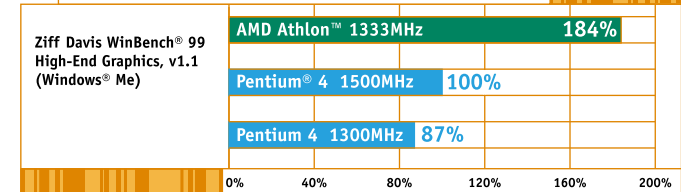
Perfect for **Power** Users—  
Web designers, multimedia developers, desktop publishers, digital imaging/graphic designers, gamers, multitasking

## AMD ATHLON™ PROCESSOR BEATS PENTIUM® 4 IN THESE LATEST BENCHMARKS...

### Audio, Video, and Image Editing

- Increase design productivity with the power to work on multiple software applications at once
- Develop richer content to impact websites and multimedia projects

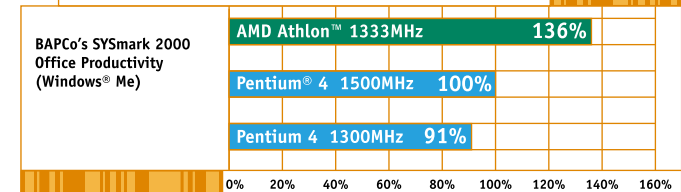
AMD Athlon™ Processor Performance Benchmarks



### Business Productivity

- Benefit from software performance gains from the use of a powerful processor
- Work seamlessly between software programs and increase computing productivity

AMD Athlon™ Processor Performance Benchmarks



**BENCHMARK SYSTEM CONFIGURATION:** Windows® Me - No Service Packs or updates installed.  
**AMD Athlon™ processor-based system:** Hardware: Motherboard: Gigabyte GA-7DX (Board Rev 3.0, BIOS rev 7dx.f2c), Memory: PC2100 (DDR SDRAM) Qty. 2, 128MB DIMM Modules (256MB total), Hard Drive: IBM 30.7GB UDMA 100 (Model DTLA-307030), Network Card: Allied Telesyn AT2700TX PCI 10/100, Sound Card: Creative Labs SoundBlaster Live!, Video Card: Leadtek Winfast GeForce2 Ultra 64MB DDR memory. Drivers: AGP Miniport: Windows® Me - AMD miniport version 4.80, EIDE Drivers: Windows Me - Via Bus Mastering IDE version 2.1.50 (DMA enabled in the Via utility), Network Card: Windows Me - driver provided by operating system, Sound Card: Windows Me - driver provided by operating system, Video Card: nVidia Detonator 6.50.  
**Pentium® processor-based system:** Hardware: Motherboard: Intel D850GB (i850 chipset, BIOS version GB85010A.86A.0040.P03), Memory: PC800 (RDRAM®), Qty. 2, 128MB DIMM Modules (256MB total), Hard Drive: IBM 30.7GB UDMA 100 (Model DTLA-307030), Network Card: Allied Telesyn T2700TX 10/100, Sound Card: Creative Labs SoundBlaster Live!, Video Card: Leadtek Winfast GeForce2 Ultra 64MB DDR memory. Drivers: AGP Miniport: Installed from CD provided with motherboard (version information not available), EIDE Drivers: Windows Me - driver provided by operating system [DMA enabled in Device Manager], Network Card: Windows Me - driver provided by operating system, Sound Card: Windows Me - driver provided by operating system, Video Card: nVidia Detonator version 6.50.