

The AMD Athlon™ MP Processor

for Servers

AMD delivers high-performance server solutions for today's enterprise community. Backing up our commitment to system stability, the AMD Athlon™ MP processor offers a balanced combination of performance, reliability, and compatibility, can contribute to a low total cost of ownership, and helps to ensure long-term IT investment protection.

Reliability and Stability for your Business

Built on the highly stable Socket A platform, the AMD Athlon MP processor provides a stable, single platform for an easy and flexible upgrade path to address a wide range of computing needs. By lowering infrastructure churn and total cost of ownership, AMD's Socket A platform can meet today's needs while helping to enable the future growth of your business.



Our expertise in multiprocessor computing helps ensure the reliability and stability you expect from an industry leader like AMD. More than 30 years of design and manufacturing experience, and more than 190 million PC processors shipped worldwide allows us to demonstrate our commitment to developing intelligent, innovative processor solutions like the AMD Athlon MP processor for servers—solutions that work best for your business.

Breakthrough Performance in a Dual Processor Platform

Innovations such as Smart MP technology and QuantiSpeed™ architecture make AMD Athlon MP processors stand out from others in their class. Smart MP technology allows the AMD Athlon MP processor to provide a high level of output and scalability via dual point-to-point (non-sharing) 266MHz system buses. With split transaction-based protocol, Smart MP technology allows each CPU to work independently of one another while continuing to fill data requests; the dedicated bus for each CPU helps deliver better overall performance.

Additional features include an advanced cache coherency protocol to manage data and memory traffic and innovative “snoop” buses to facilitate inter-CPU communications. When all these features combine, Smart MP technology increases available bandwidth, reduces data transfer latencies, and can help ensure both processors work to their full potential.

Get outstanding server performance with QuantiSpeed architecture. By taking advantage of the AMD Athlon MP nine-issue, superscalar, fully pipelined core, QuantiSpeed architecture provides more pathways for instructions to reach the execution engine. This allows the processor to complete more instructions in a given clock cycle.

Hardware data pre-fetch, and Translation Look-aside Buffers (TLBs) also support additional data throughput and server transactions to provide exceptional server network performance.

When Compatibility is Key

The AMD Athlon MP processor is designed for outstanding performance on the world's most popular server applications, including Infrastructure and Collaborative server applications. We've worked closely with leading software and O/S vendors to design our processors for compatibility and to offer exceptional performance on more than 60,000 applications. Our processors are designed to be compatible with 32-bit x86 operating systems including Microsoft® Windows®, and multiple Linux and Unix operating systems.

By remaining dedicated to achieving product compatibility and seamless integration with the enterprise applications, AMD has built strong relationships with many of our industry partners. In fact, the close relationship between Microsoft and AMD dates back more than a decade.

Experience Built it. Innovation Drives it.

AMD has developed a truly innovative multiprocessing solution for servers with the AMD Athlon MP processor featuring QuantiSpeed architecture and Smart MP technology. Take advantage of these technological breakthroughs for your business by acquiring servers with AMD Athlon MP processors. You can help improve productivity, reduce computing costs, and increase overall profitability. Get top reliability and stability, compelling performance, and compatibility with the AMD Athlon MP processor for servers.

For more information about where to buy AMD Athlon MP processor-based servers, go to:
<http://www.amd.com/buyersguide>

About AMD

AMD is a global supplier of integrated circuits for the personal and networked computer and communications markets with manufacturing facilities in the United States, Europe, Japan, and Asia.

AMD, a Fortune 500 and Standard & Poor's 500 company, produces micro-processors, flash memory devices, and support circuitry for communications and networking applications.

Founded in 1969 and based in Sunnyvale, California, AMD had revenues of \$3.9 billion in 2001. (NYSE: AMD)



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