

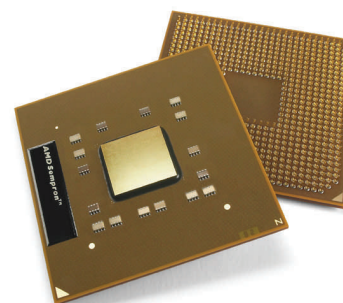
The AMD Sempron™ Processor Model 2100+ Enabling Fanless Designs for Embedded Systems

INCREASING PROCESSOR CHOICE FOR LOW POWER EMBEDDED SYSTEMS

The AMD Sempron™ processor Model 2100+ is a unique fanless solution offering AMD64 technology features in a 9W TDP processor.

The AMD Sempron processor delivers high bandwidth and low memory latency on an enterprise-class x86 platform—an excellent choice for embedded system designs.

It is an ideal foundation for single board computers requiring ever-increasing performance and functionality, and for embedded client applications such as thin clients, Point-of-Sale (POS) systems, and kiosks. It is compatible with the AMD M690T chipset. Supporting both 32- and 64-bit software, the AMD Sempron processor Model 2100+ also features the high shock and vibration specification Socket S1, providing high reliability and making it an excellent choice for rugged environments .



EXPERIENCE FAST TIME TO MARKET ON A PLATFORM THAT SUPPORTS DESIGN INNOVATION

AMD Embedded solutions, including AMD64 and AMD Geode™ processors, support the need to shorten design cycles and get systems to market fast. AMD also offers design support tools and long-term component availability.

The AMD64 platform gives embedded designers an opportunity to design with leading edge technology utilizing standard components to help increase system reliability and decrease design and production costs. AMD64 technology offers the robust ecosystem of an x86 platform with flexibility of HyperTransport™ technology, a high throughput system bus that speeds data through the system without the front side bus bottleneck of a traditional x86 processor.

Rely on AMD Embedded solutions and the AMD Sempron processor Model 2100+ for a high performance, low power, differentiated embedded system.

High performance, low power processing evolution for embedded designs

TECHNICAL SPECIFICATIONS

The AMD64 Technology Core

- Leading-edge performance for 32- and 64-bit applications
- 1.0 GHz core frequency
- 9W CPU plus integrated memory controller, enabling fanless designs
- Addressability beyond 4GB
- Enhanced Virus Protection*
- AMD Digital Media Xpress™ technology provides support for SSE, SSE2, SSE3 and MMX™ instructions

HyperTransport™ Technology Bus

- High-speed I/O Communication
- Up to 6.4GB/s of available system bandwidth
- Single 16-bit link up to 800MHz bidirectional
- Helps reduce bottlenecks of traditional x86 systems

Integrated DDR2 Memory Controller

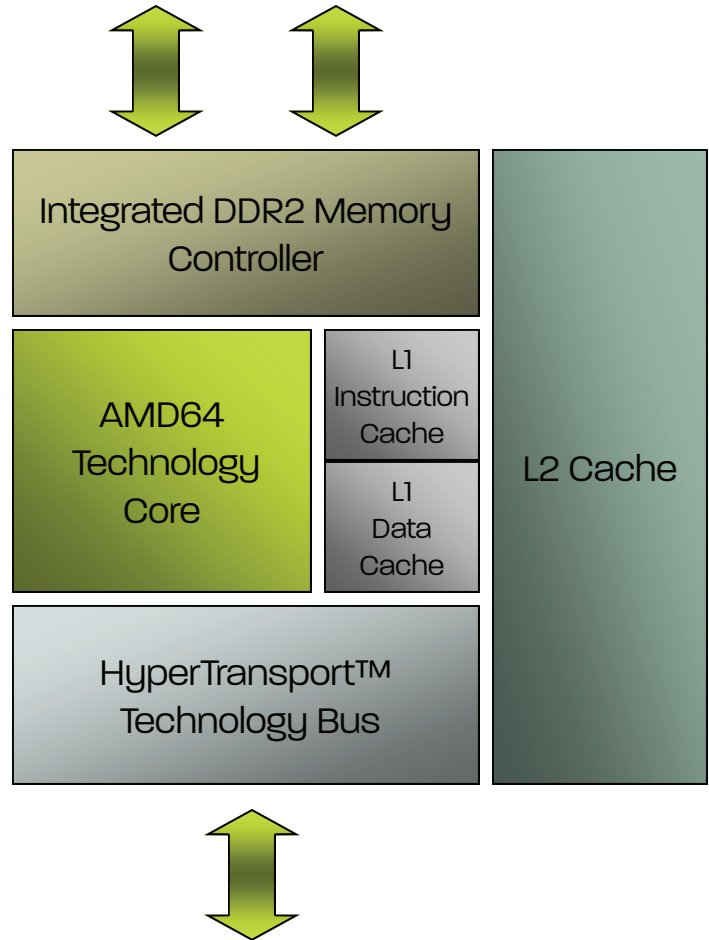
- Offers high-performance, high bandwidth
- Designed to reduce DRAM latency
- Unbuffered DDR2-400

Large High-performance on chip Cache

- 256KB L2 cache
- 64KB Level 1 instruction cache
- 64KB Level 1 data cache

Packaging

- Lidless for direct thermal management
- Socket S1: 638 pin ouPGA
- Socket is suitable for up to 50g shock and 7g three-axis vibration
- Socket compatible with Mobile AMD Sempron 3500+ and AMD Turion 64™ X2 TL-52 processors



*Enhanced Virus Protection can be enabled by certain operating systems, including the current versions of Microsoft® Windows®, Linux®, Solaris, and BSD Unix. After properly installing the appropriate operating system release, users must enable the protection of their applications and associated files from buffer overrun attacks. Consult your OS documentation for information on enabling EVP. Contact your application software vendor for information regarding use of the application in conjunction with EVP. AMD strongly recommends that users continue to include third-party antivirus software as part of their security strategy.

Get better systems to market faster with AMD Embedded Solutions

Ready to create high-performance, low-power embedded designs that give your innovative new products an edge in the marketplace? Take a close look and experience the AMD advantage. For more information, please visit www.amd.com/embedded.

About AMD

Advanced Micro Devices (NYSE: AMD) is a leading global provider of innovative microprocessor solutions for computing, communications, and consumer electronics markets. Founded in 1969, AMD is dedicated to delivering superior computing solutions based on customer needs that empower users worldwide. For more information, visit www.amd.com.



Advanced Micro Devices
 One AMD Place
 P.O. Box 3453
 Sunnyvale, CA 94088-3453
www.amd.com

©2007 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow Logo, AMD Geode, AMD Sempron, AMD Turion, AMD Digital Media Xpress, and combinations thereof, are trademarks of Advanced Micro Devices, Inc. HyperTransport is a licensed trademark of the HyperTransport Technology Consortium. Microsoft and Windows are registered trademarks of Microsoft Corporation in the US and/or other countries. MMX is a trademark of Intel Corporation. Other product and company names used in this publication are for identification purposes only and may be trademarks of their respective companies.