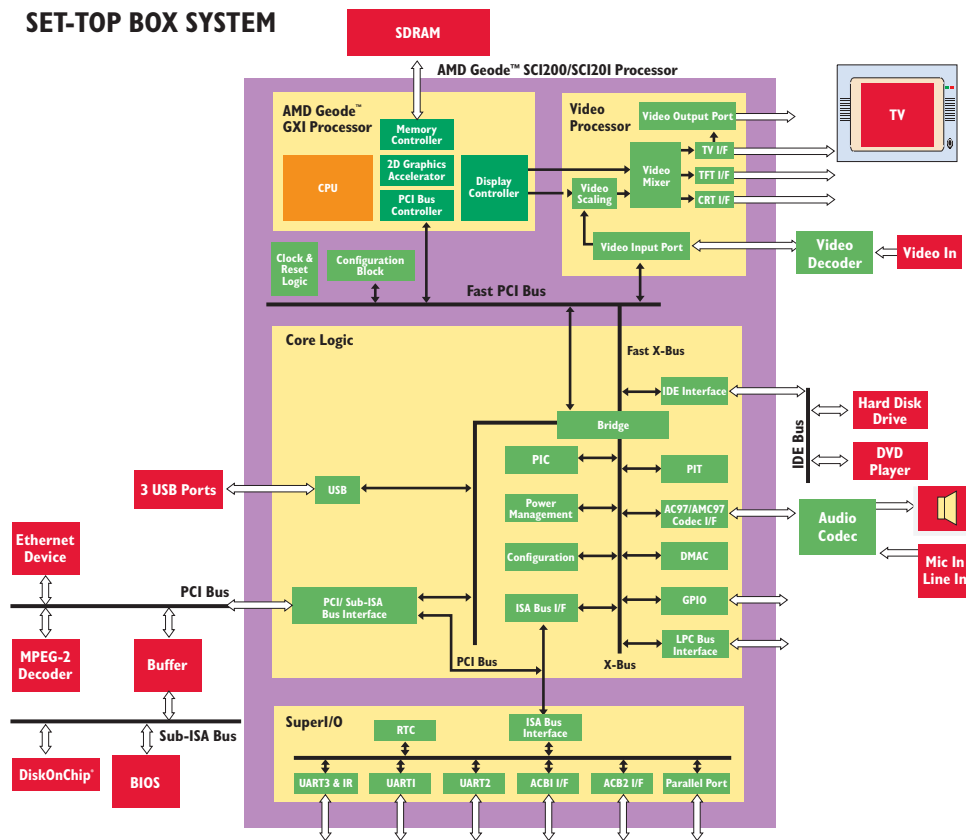


Small Form Factor — Low Power
Highly Integrated Solution



SET-TOP BOX SYSTEM



AMD Geode™ SCI200/SCI201 Processor

The SCI200/SCI201 processor is a member of the AMD Geode™ family of fully integrated x86 system devices.

The SCI200/SCI201 processor includes an AMD Geode™ GXI 32-bit x86 compatible processor module, a TV video processor (TV, TFT, and CRT outputs), video input port, video output port, core logic, and a Super I/O block. Additionally, the SCI201 processor has Macrovision copy protection. All these features, combined with a small form factor and low power consumption, result in an ideal choice for the heart of an advanced set-top box.

x86 Architecture

The x86 architecture means Internet compatibility. With more than 300 web plug-ins written to run exclusively on x86 processors, the Geode processor family provides a web experience unattainable with non-x86 based architectures.

The integrated architecture of the AMD Geode™ SCI200/SCI201 processor simplifies system design by reducing component count, the size of the main system board, and overall system power consumption. It can help to significantly lower overall system costs while improving time-to-market.

Technical Specifications

Primary Components

- The AMD Geode™ SCI200/I201 processor is based on the AMD Geode™ GXI processor integrated core which combines advanced CPU performance with MMX™ support, fully accelerated 2D graphics, a 64-bit synchronous DRAM (SDRAM) interface, and an internal PCI bus controller.
- Low-power NTSC/PAL video processor has a hardware video accelerator for blending, scaling, filtering, and color space conversion. It also contains a NTSC/PAL TV encoder that has Vertical Blank Interval (VBI) data insertion capability.
- Core Logic module component of the SCI200/SCI201 processor includes an IDE interface, a Universal Serial Bus (USB) interface, ACPI I.0 compliant power management, a video input port, and an audio codec interface.
- Super I/O block includes three serial ports, an infrared (IR) port, a parallel port, two ACCESS.bus™ interfaces, and a Real Time Clock (RTC).

Outstanding Features

- 32-bit x86 processor; at 266 MHz, with MMX instruction set support
- 64-bit SDRAM interface
- 2D graphics accelerator
- CRT interface
- TFT interface
- High quality NTSC/PAL TV encoder with flicker filter, hardware video accelerator, and capture video capability
 - Supports Composite, S-video, and YCrCb output
 - SCI201 includes *Macrovision 7i.LI copy protection
- CCIR-656 compliant video input port
- PCI bus controller
- USB interface, three ports, OpenHCI Rev. I.0 specification compliant
- LPC bus interface
- Audio interface, AC97 and AMC97 Rev. 2.0 compliant
- Virtual System Architecture™ (VSA™) support
- Power management, ACPI I.0 compliant
- Two IDE channels for up to four external ATA-33 compliant devices
- 432 enhanced BGA package

* This device is protected by U.S. Patent numbers 4,631,603, 4,577,216, and 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

About AMD

Founded in 1969 and based in Sunnyvale, California, AMD (NYSE: 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 Standard & Poor's 500 company, produces microprocessors, Flash memory devices, and silicon-based solutions for communications and networking applications.



www.amd.com

One AMD Place
P.O. Box 3453,
Sunnyvale, CA 94088-3453, USA
Tel: 408-749-4000 or 800-538-8450
TWX: 910-339-9280
TELEX: 34-6306

Technical Support

USA & Canada: 800-222-9323 or 408-749-5703
USA & Canada PC Microprocessor:
408-749-3060
USA & Canada Email: hw.support@amd.com

Latin America Email:
latinamerica.support@amd.com

Europe & UK: +44-0-1276-803299

Fax: +44-0-1276-803298
France: 0800-908-621
Germany: +49-089-450-53199
Italy: 800-877224

Europe Email: euro.tech@amd.com

Far East Fax: 852-2956-0588

Japan Fax: 81-3-3346-7848

Literature Ordering

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USA & Canada: 800-222-9323
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