

Thin Clients

“Help improve access, contain costs”

- PC computing accessed via central server
- Speed deployment of software
- Easy access to applications and data
- Easy to use and administer
- Centralized maintenance and support
- Can lower TCO

Personal Access Devices

“Portable information access”

- Handheld, compact devices for convenient Web browsing, e-mail and information access
- Wireless connectivity enables convenient mobility and access to real-time information
- Ideal solution for interactive settings in retail stores, restaurants and hospitals

Advanced Set-Top Boxes

“Interactive home entertainment”

- Home entertainment device that enables Internet access, streaming video and customized information via a traditional television
- Easy Internet access for simplified, affordable Web browsing and e-mail
- Personalized infotainment through electronic programming guides, customized news, programming alerts, stock updates and more
- Streaming video for real-time video-on-demand, swift downloading and high-performance playback

The AMD Geode™ Processor Family is optimized for major market segments and leverages an extensive integrated x86 computing infrastructure for maximum compatibility, high-end multimedia and rapid time-to-market.

FEATURES	BENEFITS
Develop Total System Solutions for the Growing Information Appliance Market	
<ul style="list-style-type: none"> • Reduced power consumption • Maximum Internet compatibility • Intelligent integration • AMD GeodeLink™ system architecture 	<ul style="list-style-type: none"> • The Geode processor family provides you the necessary power, connectivity and human interfaces to power information appliances for both business and consumer applications.
Geode™ System-On-Chip Solutions Combine Audio, Video and Memory Control	
<ul style="list-style-type: none"> • Can require fewer parts for full system functionality • Can reduce compatibility issues • Can enable designs for small form factors • Can reduce power consumption 	<ul style="list-style-type: none"> • You will be able to design solutions with reduced system cost and improved reliability and performance for portable devices.
Optimized for the Fastest-Growing Segments of the Information Appliance Market	
<ul style="list-style-type: none"> • AMD Geode SC3200 processor • AMD Geode SCI200 processor • AMD Geode SC2200 processor 	<ul style="list-style-type: none"> • AMD is dedicated to developing the kinds of technology our customers need most. By creating intelligent core designs for growing markets, we expand the possibilities of embedded computing applications.
Proven Reference Platforms to Jump-start Your Own Innovations	
<ul style="list-style-type: none"> • AMD Geode System Platforms encompass a wide range of thin-client, WebPAD and set-top box applications. 	<ul style="list-style-type: none"> • By offering innovative reference platforms, AMD enables its customers to save on development costs and shorten their time-to-market for new information appliance devices.

AMD GeodeLink™ System Architecture

- The GeodeLink system architecture provides a layered chip infrastructure that begins with a signal interface and layers diagnostics, power management, software, design verification and floor planning on top of a simple common starting point.
- Key features of the GeodeLink system architecture are a high performance on-chip switched fabric, optimized Unified Memory Architecture (UMA), standard GeodeLink software model and on-chip development support.
- These features provide an evolutionary software model for compatibility while providing a revolutionary jump in on-chip performance.



Development Platforms

AMD ID Number	Availability	Intended Market				Processor					OS Support Note 4				Video Output			I/O Connectors						Typical Kit Contents						
		Thin Client	Consumer Access	Residential Gateway	Set-Top Box	SC1100	SC1200/I201	SC2200	SC3200	GX1 with 5530A	GX2 with 5535	MS Windows XP/XPe	MS Windows CE 4.1	MS Windows CE 4.2	Linux 2.4.17 - Note 1	CRT	TFT	TV-Out	Audio Out Channels - Note 2		USB	PCI Slots	LPC Slots	Super I/O on Board	Ethernet on Board	Power	Standard Documentation	5V to 3.3V PCI Card	TFT Interface Card	LPC Card with Super I/O
SP4SC40	Now	✓	✓	✓	✓	✓					✓	✓	✓		Note 5			2	3	4	1			ATX	✓	✓	✓	✓	✓	✓
SP1SC20	Now				✓		✓					✓	✓	✓		✓		2	2	2	1		1	ATX	Kit Contents TBD					
SP4SC31 Note 3, 6	Now	✓	✓			✓	✓	✓			✓	✓	✓	✓	✓	✓	2	3	2	1			ATX	✓	✓	✓	✓	✓	✓	
SP4GX10	Now	✓	✓		✓				✓		✓	✓	✓	✓	✓		2	2	2			1	1	ATX	✓	✓	✓			
SP4GX22-TC	Now	✓							✓		✓	✓	✓	✓			5	4	^{2/4} Note 7	1				ATX	✓	✓	✓	✓	✓	
SP4GX22-TT	Now	✓	✓												✓											✓				
SP4GX22-PP	Now		✓												✓											✓				
SP4GX23	Now	✓	✓						✓		✓	✓	✓	✓	✓		5	4	^{2/4} Note 7	1				ATX	✓					
SP2GX10	Now	✓	✓						✓		✓	✓	✓	✓	✓		2	2				1	1		✓					

Processors

Processor	200 MHz	233 MHz	266 MHz	300 MHz	333 MHz	366 MHz	400 MHz
GX1/CSS530A	✓	✓	✓	✓	✓		
GX2/CSS535					✓	✓	✓
SC1100		✓	✓	✓			
SC1200 EBGA			✓				
SC1200 PBGA			✓				
SC1201 EBGA			✓				
SC1201 PBGA			✓				
SC2200 EBGA			✓	✓			
SC2200 PBGA		✓	✓	✓			
SC3200 EBGA			✓				
SC3200 PBGA		✓	✓				

x86 Architecture

The x86 architecture means Internet compatibility and fast time-to-market. With over 300 Web plug-ins written to run exclusively on x86 processors, the AMD Geode™ processor family provides a proven platform and Web experience unattainable with non-x86 based architectures.

Notes:

1. AMD Geode SP4GX10 system platform also supports Linux 2.12 and Linux 2.4 versions; Linux 2.4.20 coming soon.
2. AMD Geode SP1SC20 system platform is line audio I/O and mono microphone. All others are mono microphone and stereo headphone out. AMD Geode SP4GX22 system platform has digital audio output with 5.1 output capability.
3. For AMD Geode SP4SC31 system platform, video output is limited to one output at a time.
4. OS support typically includes BIOS and drivers for audio, display, UDMA, touch & button, and bootloader if required.
5. Kit includes VGA graphics card on PCI bus.
6. A mobile battery power kit is available for AMD Geode SC4SC31 system platform. Order number SP4SC31 system platform-Mobile.
7. 2@66 MHz; 4@33 MHz