

AMD EMBEDDED PROCESSORS														
Model	AMD64	Multi-CPU Scalability	Core Frequency	L2 Cache/Core	Thermal Design Power	Memory Interface	HyperTransport™ Technology	AMD Digital Media Xpress™ Technology	AMD PowerNow!™ Technology	AMD-V™ Technology	EVP*	Tcase	Socket	Package
AMD OPTERON™ PROCESSORS														
852*	Yes	up to 8	2.6GHz	1MB	95W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	Var.	940	Lidded 940-pin opPGA
848 HE*	Yes	up to 8	2.2GHz	1MB	55W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	78°C	940	Lidded 940-pin opPGA
252*	Yes	up to 2	2.6GHz	1MB	95W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	Var.	940	Lidded 940-pin opPGA
248 HE*	Yes	up to 2	2.2GHz	1MB	55W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	78°C	940	Lidded 940-pin opPGA
244 EE*	Yes	up to 2	1.8GHz	1MB	30W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	78°C	940	Lidded 940-pin opPGA
240 EE*	Yes	up to 2	1.4GHz	1MB	30W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	78°C	940	Lidded 940-pin opPGA
152*	Yes	1	2.6GHz	1MB	95W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	Var.	940	Lidded 940-pin opPGA
148 HE*	Yes	1	2.2GHz	1MB	55W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	78°C	940	Lidded 940-pin opPGA
144 EE*	Yes	1	1.8GHz	1MB	30W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	No	Yes	No	Yes	78°C	940	Lidded 940-pin opPGA
DUAL-CORE AMD OPTERON™ PROCESSORS														
824 HE	Yes	up to 8	2.2GHz	1MB x2	68W	Dual 64/72 DDR2-667 Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	Yes	Yes	85°C	F(1207)	Lidded 1207 pad LGA
820 HE	Yes	up to 8	1.8GHz	1MB x2	45W	Dual 64/72 DDR2-667 Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	Yes	Yes	80°C	F(1207)	Lidded 1207 pad LGA
865 HE*	Yes	up to 8	1.8GHz	1MB x2	55W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	No	No	Yes	85°C	940	Lidded 940-pin opPGA
885*	Yes	up to 8	1.8GHz	1MB x2	95W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	No	Yes	Var.	940	Lidded 940-pin opPGA
224 HE	Yes	up to 2	2.2GHz	1MB x2	68W	Dual 64/72 DDR2-667 Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	Yes	Yes	85°C	F(1207)	Lidded 1207 pad LGA
220 EE	Yes	up to 2	1.8GHz	1MB x2	45W	Dual 64/72 DDR2-667 Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	Yes	Yes	80°C	F(1207)	Lidded 1207 pad LGA
265 HE*	Yes	up to 2	1.8GHz	1MB x2	55W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	No	Yes	85°C	940	Lidded 940-pin opPGA
265*	Yes	up to 2	1.8GHz	1MB x2	95W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	No	Yes	Var.	940	Lidded 940-pin opPGA
1214 HE	Yes	1	2.2GHz	1MB x2	68W	Dual 64/72 DDR2-667 Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	Yes	Yes	85°C	F(1207)	Lidded 1207 pad LGA
1210 EE	Yes	1	1.8GHz	1MB x2	45W	Dual 64/72 DDR2-667 Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	Yes	Yes	80°C	F(1207)	Lidded 1207 pad LGA
165 HE*	Yes	1	1.8GHz	1MB x2	55W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	No	Yes	85°C	940	Lidded 940-pin opPGA
195*	Yes	1	1.8GHz	1MB x2	95W	Dual 64/72 DDR Registered DIMMs, ECC & Chip Kill	Three 16-lane@1GHz Full Duplex	Yes	Yes	No	Yes	Var.	940	Lidded 940-pin opPGA

Note 1. Enhanced Virus Protection (EVP) is only enabled by certain operating systems including the current versions of Microsoft® Windows®, Solaris, and BSD Unix. After properly installing the appropriate operating system, users must enable the protection of their applications and associated files from buffer overrun attacks. Contact your application software vendor for information regarding use of the application in conjunction with EVP. AMD strongly recommends that users continue to use third-party anti-virus software as part of their security strategy.

* Not recommended for new designs.

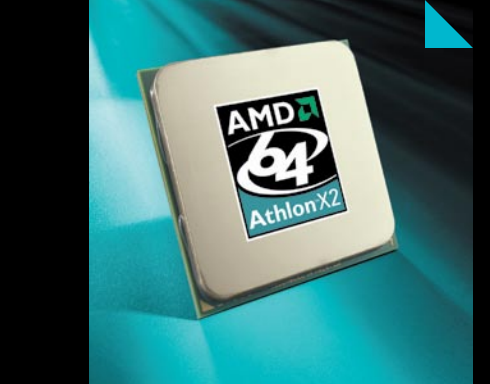
AMD DEVELOPMENT BOARDS																											
Name	Processor (* Denotes Processor shipped in Kit)	Chipset	Form Factor (Inches)	Display Output	OS (Note 1)								I/O Connectors								Typical Kit Contents						
					Windows® XP/PE	Windows CE 4.2	Windows CE 5.0	Linux® 2.4.x	Linux 2.6.x	Audio Out Channels	USB	PCI Express® Slots	PCI Express Mini Card	PCI Slots	Mini-PCI	IPC Slots or Headers	Super I/O on Board	Ethernet on Board	Power	Serial ATA	IDE/UDMA	Serial Ports	PS/2 Keyboard/Mouse	Parallel Port	IrDA	TV Output Adapter Cable	RF Interface Card
AMD GEODE™ SOLUTIONS BASED DEVELOPMENT BOARDS																											
LX DB800	Geode™ LX 800@0.9W*	AMD CS5536	Mini-ITX/ETX	CRT, TFT	●	●	●	●	2	4				1 ¹	1	1	1	1	ATX	●	3	1	1	1			●
GX DB533-C	Geode GX 533@1W* Geode GX 500@LOW Geode GX 466@0.9W*	AMD CS5535	SOM-144 Flex ATX 7.5x8	CRT	●	●	●			5	4			3 ¹	1	1	1	1	ATX	●	2	1	1	1			●
GX DB533-T				TFT																							
AMD64 BASED DEVELOPMENT BOARDS																											
SI DBM690T/E	Mobile AMD Sempron™ 3500+*, AMD Turion™ 64 X2 TL-52, AMD Turion 64, AMD Sempron 2100+	AMD M690T or M690E, SB800	ATX	CRT, DVI/HDMI, LVDS	●				7	1	8	1x16 ¹ 1x1	●	3	●	1	1	1	ATX	4	●	1	1	1			●

Note 1. OS support typically includes BIOS and drivers for audio, display, and boot-loader if required.
 Note 2. The Geode LX 800@0.9W processor operates at 500MHz. Model numbers reflect performance as described here: <http://www.amd.com/connectivity/solutions/geode/benchmark>
 Note 3. The Geode GX 533@1W processor operates at 400MHz, the Geode GX 500@LOW processor operates at 366MHz, and the Geode GX 466@0.9W processor operates at 353MHz. Model numbers reflect performance as described here: <http://www.amd.com/connectivity/solutions/geode/gxbenchmark>
 Note 4. The Geode GX DB533 has a total of three slots – two at 3.3V and one at 5.0V. Two slots available at 66MHz or three slots available at 33MHz.
 Note 5. The Geode LX DB800 has one 32-bit, 66/33MHz, 3.3V (non-5V tolerant) PCI slot. Additionally, a bridge card that offers two 32-bit, 66/33MHz, 3.3V (5V tolerant) slots is shipped with the development board. The bridge card occupies the one slot on the main board.
 Note 6. The SI DBM690T has one x16 PCI Express® slot that is supported by a 1x8 PCI Express interface.

About AMD
 AMD (NYSE:AMD) designs and produces innovative microprocessors and low-power processor solutions for the computer, communications, and consumer electronics industries. AMD is dedicated to delivering standards-based, customer-focused solutions for technology users, ranging from enterprises and governments to individual consumers. 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

www.amd.com/embedded



AMD Embedded Solutions Product Selection Guide

A rich mix of high-performance, low-power processors to meet the fast time-to-market demands of today's embedded systems

Along with a range of varied processors, AMD supports the x86 embedded marketplace with design tools, support, and partnerships that offer simplicity and flexibility to create high-performance, feature-rich, and customer-driven products.

AMD is an innovation leader in x86 processor design. AMD's embedded products offer designers processor-level features and a balanced foundation for overall system performance, with the quick time to market offered by commercial off-the-shelf components. Customers using AMD processor-based systems can experience remarkable application performance with scalability, ease of management, and low total cost of ownership. AMD processor-based products are category leaders from enterprise-class servers and cutting-edge consumer systems to traditional embedded markets.

This brochure presents the full array of AMD's embedded processor solutions that deliver maximum performance with low overall system power consumption and are supported by longer than standard availability, a full library of x86 software development applications, and hardware tools. It's time to design and produce the next-generation embedded systems your customers demand – quickly, easily, and efficiently.

AMD's unique processor designs deliver high performance and balanced system design

AMD's range of embedded solutions provides flexible features and a balanced performance approach for the overall system. Features include:
 → Industry-leading performance-per-watt
 → Highest available I/O throughput with HyperTransport™ technology
 → Integrated memory controller offers low latency and reduced chip count, improving reliability
 → Native dual-core processor design provides highly scalable performance gains within a consistent thermal envelope
 → Lead-free, four-layer processes with maximum on-board space
 → Efficient heat dissipation reduces or eliminates the need for heat sinks and reduces ambient cooling requirements
 → Range of available packaging and pin counts meets variety of design requirements

Along with these features and other technical features, embedded designers can count on long-term component availability, comprehensive design support, and AMD's commitment to continue offering new, customer-oriented products. Get to market faster, with more effective products.

The AMD64 embedded family: leading-edge technology for high-end embedded systems

AMD64 embedded solutions are each uniquely matched to a defined set of product applications. Ranging from high-performance single- and dual-core AMD Opteron™ and AMD Athlon™ 64 processors with Direct Connect Architecture for enterprise-class storage and networking equipment to highly versatile and efficient Mobile AMD Sempron™ processors and AMD Turion™ 64 mobile technology for unique high-performance, smaller form factor applications, the AMD64 family provides high performance, maximum versatility, and minimum design challenge.

AMD Geode™ processors: optimized for low-power, high-performance applications

The complete family of AMD Geode™ processors is configured to give developers a versatile and flexible suite of x86 solutions that enable fast design cycles and short time-to-market roadmaps. Ideal for applications ranging from thin-client and set-top boxes to printers and personal media players, AMD Geode processors can deliver the highest performance-per-watt in the industry. In addition to processors, the family includes a broad range of design tools including Development Boards (DBs) and Reference Design Kits (RDks) to empower designers to make maximum use of the established world of x86 software applications.

Tools and support for developers

AMD offers:
 → A full range of RDK products that enable designers to go from concept to finished product quickly
 → A broad array of DBs for creating efficient x86 system designs
 → Industry partnerships with leading software and hardware specialists, fostering maximum choice for your unique design

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



AMD EMBEDDED PROCESSORS														
Model	AMD64	Multi-CPU Scalability	Core Frequency	L2 Cache/ Core	Thermal Design Power	Memory Interface	HyperTransport™ Technology	AMD Digital Media Xpress™ Technology	AMD PowerNow™ Technology	AMD-V™ Technology	EVP*	Tcase	Socket	Package
MOBILE AMD SEMPRON™ PROCESSORS														
3700+	Yes	1	2.0GHz	512KB	25W	Dual 64 NON ECC DDR2-667, Unbuffered	One 16-lane@800MHz Full Duplex	Yes	Yes	No	Yes	Tj=95°C	S1	Lidless 638-pin opPGA
3500+	Yes	1	1.8GHz	512KB	25W	Dual 64 NON ECC DDR2-667, Unbuffered	One 16-lane@800MHz Full Duplex	Yes	Yes	No	Yes	Tj=95°C	S1	Lidless 638-pin opPGA
2100+	Yes	1	1.0GHz	256KB	8W	Dual 64 NON ECC DDR2-400, Unbuffered	One 16-lane@800MHz Full Duplex	Yes	No	No	Yes	Tj=95°C	S1	Lidless 638-pin opPGA
AMD TURION™ 64 X2 DUAL-CORE MOBILE TECHNOLOGY														
TL-62	Yes	1	2.1GHz	512KB x2	35W	Dual 64 NON ECC DDR2-800, Unbuffered	One 16-lane@800MHz Full Duplex	Yes	Yes	Yes	Yes	Tj=95°C	S1	Lidless 638-pin S1 opPGA
TL-56	Yes	1	1.8GHz	512KB x2	31W	Dual 64 NON ECC DDR2-800, Unbuffered	One 16-lane@800MHz Full Duplex	Yes	Yes	Yes	Yes	Tj=95°C	S1	Lidless 638-pin S1 opPGA
TL-52	Yes	1	1.6GHz	512KB x2	31W	Dual 64 NON ECC DDR2-867, Unbuffered	One 16-lane@800MHz Full Duplex	Yes	Yes	Yes	Yes	Tj=95°C	S1	Lidless 638-pin opPGA
AMD ATHLON™ 64 PROCESSORS														
3100+	Yes	1	2.0GHz	512KB	23W	Dual 64 ECC DDR2-667, Unbuffered	One 16-lane@1000MHz Full Duplex	Yes	Yes	Yes	Yes	Tj=61°C	AM2	Lidless 940-pin opPGA
3000+	Yes	1	1.8GHz	512KB	35W	Dual 64 ECC DDR2-667, Unbuffered	One 16-lane@1000MHz Full Duplex	Yes	Yes	Yes	Yes	Var.	AM2	Lidless 940-pin opPGA
2800+	Yes	1	1.6GHz	512KB	15W	Dual 64 ECC DDR2-667, Unbuffered	One 16-lane@800MHz Full Duplex	Yes	Yes	Yes	Yes	Tj=85°C	AM2	Lidless 940-pin opPGA
2000+	Yes	1	1.0GHz	512KB	8W	Dual 64 ECC DDR2-400, Unbuffered	One 16-lane@1000MHz Full Duplex	Yes	No	Yes	Yes	Tj=85°C	AM2	Lidless 940-pin opPGA
AMD ATHLON™ 64 X2 DUAL-CORE PROCESSORS														
3400+	Yes	1	1.8GHz	512KB x2	35W	Dual 64 ECC DDR2-800, Unbuffered	One 16-lane@1000MHz Full Duplex	Yes	Yes	Yes	Yes	Var.	AM2	Lidless 940-pin opPGA

Note 1. Enhanced Virus Protection (EVP) is only enabled by certain operating systems including the current versions of Microsoft® Windows®, Solaris, and BSD Unix. After properly installing the appropriate operating system, users must enable the protection of their applications and associated files from buffer overrun attacks. Contact your application software vendor for information regarding use of the application in conjunction with EVP. AMD strongly recommends that users continue to use third-party anti-virus software as part of their security strategy.

AMD EMBEDDED PROCESSORS CONTINUED																					
Processor Family	Device Number	Chipset	Package/ Operating Case Temperature	Core Freq. (Default Rating)	Core Volt	Thermal Design Power	Power Management/ Rating	FPU	Memory Support	PCI	Ethernet	IDE	USB	LPC	Audio	UART/ IR	Serial/ Parallel Interfaces	RTC	Max. GPIOs	Security	Display: Max Resolution
AMD Geode™ LX Processors	Geode LX 900@1.5W (Integrated North Bridge/ Graphics)	AMD CS5536	BGU461 0°C to 80°C	600MHz (900)	1.4V	5.1W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR400	v2.2	No	1 Ch, UDMA-100	4 Ports, v2.0	Yes	AC97 v2.3	2/1	ACCESS. bus w/2 Ports	1	32	28-Bit AES w/ Optional In-package EEPROM	CRT: 1920x1440 TFT: 1600x1200 VFP/VPD = 11, 2.0
	Geode LX 800@0.9W (Integrated North Bridge/ Graphics)		BGU461 0°C to 85°C and -40°C to -85°C*	500MHz (800)	1.25V	3.6W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR400												
	Geode LX 700@0.6W (Integrated North Bridge/ Graphics)		BGU461 0°C to 85°C	433MHz (700)	1.2V	3.1W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR333												
AMD Geode™ GX Processors	Geode GX 533@1.1W (Integrated North Bridge/ Graphics)	AMD CS5536	BGD368 0°C to 85°C	400MHz (533)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR266	v2.2	No	1 Ch, UDMA-100	4 Ports, v2.0	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	CRT: 1600x1200 TFT: 1280x1024
	Geode GX 466@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	366MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR244		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No
	Geode GX 500@LOW (Integrated North Bridge/ Graphics)	AMD CS5536	BGD368 0°C to 85°C	366MHz (500)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR244	v2.2		No	1 Ch, UDMA-100	4 Ports, v2.0	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No
	Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5536	BGD368 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-100	4 Ports, v2.0	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No
Geode GX 466@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2	No		1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-100	4 Ports, v2.0	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222		v2.2	No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO	AC97 v2.1	2/1	ACCESS. bus w/2 Ports	1	32	No	
Geode GX 456@0.9W (Integrated North Bridge/ Graphics)	AMD CS5535	BGU396 0°C to 85°C	333MHz (466)	1.5V	3.5W	ACPI v2.0	MMX™, AMD 3DNow!™ Technology	DDR222	v2.2		No	1 Ch, UDMA-66	4 Ports, v1.1	1 LDRO							