

AMD Geode™ DBSC1200 and SP4SC31 Development Boards Feature Differences



1.0 Scope

This document describes the major feature differences between the AMD Geode™ DBSC1200 development board and the SP4SC31 system platform.

products based on the AMD Geode SC1200 processor. Its predecessor, the SP4SC31 is still available as of this publication date, but in limited quantities and no more builds are planned.

2.0 Discussion

The DBSC1200 is the latest tool to help simplify the design and development of embedded or industrial computing

Table 2-1 provides a summary of the feature differences between the DBSC1200 and SP4SC31. This summary is not exhaustive; only major differences are noted.

Table 2-1. AMD Geode™ DBSC1200 and SP4SC31 Feature Differences

Feature	SP4SC31	DBSC1200 (OPN: DB4SC10)
Cost	USD 2,550 (resale)	USD 900 (resale)
Form Factor	ATX, 9.6x12 inches	ETX CPU module, ATX Base board, 7x12 inches
CPU Support (*Denotes processor shipped with kit)	SC1200UFH*, SC1201UFH, SC2200UFH, SC3200UFH	SC1200UFH*
CPU Module Board	On interposer to facilitate changing CPU	Soldered directly to board (ETX form factor)
PCI Slots	2	4
ISA Slots	1 (Sub-ISA)	3 (DMA not supported)
PS/2	On LPC SIO card	On board
COM	On LPC SIO card	On board
Floppy	On LPC SIO card	On board
LPT	On LPC SIO card	On board
USB	3	4
LAN	10/100 PCI Ethernet	RTL8100C on board
Audio Codec	LM4549	ALC203
IDE Connectors	2	1
Memory	64 MB SDR SODIMM	128 MB SDR SODIMM
BIOS	Insyde Software	General Software - on board, Insyde Software - image on CD
DiskOnChip	Yes	No
Panel Support	Parallel TFT, LVDS TFT, DSTN via CS9211	Parallel TFT, LVDS TFT,
LPC Slot	Yes, for LPC SIO board	Header only
Ability to easily instrument for current measurements	Yes	No

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