

SoM-4450



FEATURES

Compact and powerful

10/100 Mbps Ethernet

18-bit LCD/1 channel LVDS interface

AC' 97 V 2.0 Audio

Less than 8 Watts of power consumption

The CPU is EOL for this product, please see [this article](#) for more information.

Many gains were made by utilizing the Geode™ GX1 processor. The GX1 processor provides the lowest power consumption/high speed combination of any x86 processor at these performance levels. These processors also support most popular web plug-ins and leverage existing software and hardware investments. The GX1 processor brings 0.18-micron technology to the System on Module line and allows users to enjoy the added speed and efficiency 0.18-micron technology has to offer. Combined with the CS5530A system chipset and RTL8139 Ethernet chipset, the SOM-4450 is a low power, high performance platform ready to be integrated with application customer solution boards covering multiple applications.

Specifications

SOM Type:

EOL SOMs

Processor

Geode GX1

Clock Speed:

300 MHz

Real Time Clock:

Processor Misc.:

System Chipset: NS CX 5530

Memory

BIOS/Bootloader:

AWARD 256 KB Flash BIOS

Primary Flash:

Supports CompactFlash™ card

Primary I/O

Disk interface:

2 x EIDE (Ultra DMA33)

1 x FDD/LPT

Video Out:

NS CX5530 CRT/LCD 1- 4 MB shared

Audio:

AC' 97 V 2.0 Audio

Ethernet:

10/100 BaseT Ethernet

USB:

2 USB ports

USB 1.1 compliant

Serial Ports:

2x Serial Ports

Watchdog:

Primary I/O Misc.:

IrDA: 115 Kbps, IrDA 1.0 compliant

VGA/Flat-Panel Interface

Chipset: NS CX 5530

Memory Size: 1-4 MB UMA share memory

Resolution CRT Mode: 1024x768@24 bpp(60Hz)

LCD/Simultaneous Mode: 1024x768@24 bpp(60Hz)

LCD Interface: 18-bit TFT panels up to XGA resolution

LVDS: 18 bit ANSI EIA/TIA-644, over 10 meters transmission (SOM-4450FL-G0A1)

TV-out: Supports both NTSC/PAL

Secondary I/O

LPT Port:

Keypad:

PS/2:

Analog on
A/D.

D/A:

Dimensions
Dimensions:

3.7 × 4.5 in

Weight:

0 g

Power Requirements
Voltage:

5 V

Typical Current:

1.5 A

Typical Voltage:

5 V

Max Boot Current:

4 A

Environmental
Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Pricing
SOM-4450-0

ETX SOM W/ GX1-300 CPU, VGA, LCD, AUDIO, LAN, & TV-OUT (FLASH DISK AND RAM NOT INCLUDED)

\$234.00

Base Product:

SoM-4450

Non-Stock NCNR:

0

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