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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 RTL 8139 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

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: 1024x768216 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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