

ASIS-6010

AMD Geode® NX Embedded
Board with SiS 741CX / 966



Features

- AMD Geode® NX CPU, Fanless
- SiS 741CX North Bridge / 966 South Bridge
- Supports PCI Express X 1
- Supports Mini-PCI socket for expansion
- Supports Two Giga Ethernet ports
- Supports CompactFlash
- Supports LVDS interface to drive TFT LCD Panel
- Supports 8 digital I/O (Programmable)
- Supports 2D/3D engine and MPEG-2/1 video decoder
- Industry Standard Mini-ITX form factor
- RoHS Compliance
- Reference Design for AMD Geode® NX and SiS 741CX/966

Specifications

System

CPU	Embedded AMD Geode® NX CPU NX1250 @ 6W (FSB 266 MHz) NX1500 @ 6W (FSB 266 MHz) NX1750 @ 14W (FSB 266 MHz)
Cache Memory	64 KB L1 and 256KB L2 on CPU
System Chipset	SiS 741CX, SiS 966
BIOS	AMI / Award 256 KB Flash BIOS
System Memory	1 X DDR DIMM, Max. 1 GB
SSD	Support CompactFlash Card
Power Management	APM 1.2, ACPI 2.0
Expansion	PCIe X 1, Mini-PCI (PCI 2.2)
Watchdog Timer	Software programmable by SiS 966
Battery	Lithium 3V/220 mA

I/O

I/O Interface	1 X EIDE(40-pin Ultra 66/100 DMA) PS/2 K/B, PS/2 Mouse
USB	4 X USB 2.0 on back panel 2 X USB 2.0 on board pin-headers
Audio	Support AC97, HDA (Optional)
GPIO	8 TTL digital in/out S/W programmabl

Software

BIOS	AMI / Award Evaluation version
OS	Windows XP/Xpe and Linux Windows CE (BSPs)

Ethernet

Chipset	SiS 966, Marvell 88E8052
Speed	10/100/1000 Base-T
Interface	2 X RJ-45
Standard	IEEE 802.3, IEEE 802.3u Supports "Wake on LAN"

Display

Chipset	SiS 741CX Mirage Graphics
Memory Size	Share System Memory, 32MB/64 MB
Resolution	Max. 1600X1200X32@60NI CRT Max. 1600X1200X32@60NI LCD Max. 1024X768X32@60NI NTSC/PAL
Dual-Independent Display	CRT + LCD panel (LVDS) CRT + TV (S-Video) LCD panel (LVDS) + TV (S-Video)

Mechanical and Environment

Dimensions	170mmX170mm (6.7"X6.7")
Weight	497g (included CPU and DRAM)
Temperature	0~50 °C (32~122 °F) Operating
Power Supply	ATX power supply (200W recommend)

Ordering Information

ASIS-6010-EV1	ASIS-6010 with NX1250 CPU
ASIS-6010-EV2	ASIS-6010 with NX1500 CPU
ASIS-6010-EV3	ASIS-6010 with NX1750 CPU
ASIS-6010-EV0	ASIS-6010 bare board w/o CPU