

NEXUS-1500

AMD® SIS741CX Mini-ITX Motherboard



Overview

The NEXUS-1500 Mini ITX motherboard incorporates a Socket A processor socket that supports AMD Geode NX series processors that support processor speed up to 1.4GHz. With the SIS 741CX chipset, it delivers maximum performance for demanding thin client or embedded applications that require silent system operation. With a higher processor speed and active cooling, it is best suited for demanding applications such as graphics and point of sales systems. The board comes with integrated chipset VGA and Ethernet controllers. Optionally provided is a Realtek Gigabit Ethernet and daughter cards for CRT2/TMDs or LVDS/TV out interface.

Ordering Information

ITEM	CONTENT
NX-740	Socket A, SiS 741CX, Mini-ITX w/ 10/100 LAN, SATA
NX-740F	Socket A, SiS 741CX, Mini-ITX w/ 10/100 LAN, Gigabit LAN, 1394, SATA
NX-140-302	SIS 302LV MicroAGP card for dual-channel 18/24-bit LVDS or TV out
NX-140-301	SIS 301 MicroAGP card for TMDs/DVI or CRT2
SM-5000-00	Mini-PCI NVRAM Security Card

* RoHS Compliant

Specification Highlight

SYSTEM	
CPU	Socket A (462-pin) for AMD Geode, up to 1.4GHz(NX1250 = 667MHz, NX1500 = 1GHz, NX1750 = 1.4GHz)
System Memory	DDR DIMM x 1, max. 1GB, DDR333
System Chipset	SIS 741CX + SIS 964
BIOS	Award 4Mbit
Watchdog Timer	256 levels
SSD	Optional CF socket (on solder side via IDE2)
H/W Monitor	Yes
Expansion Slot	1 PCI, 1 Mini PCI, 1 MicroAGP
GRAPHICS	
VGA Controller	SIS 741CX integrated for CRT
VGA Memory	Shared memory; Max. 64MB
LCD/TV-out/DVI/CRT2	Optional SIS 302LV MicroAGP card (IBA140-302) supports 18/24-bit dual channel LVDS and TV out; Optional SIS 301 MicroAGP card (IBA140-301) supports DVI/CRT2 interface
ETHERNET	
Controller	SIS 964 built-in 10/100 and Optional Realtek RTL8110S-32 Gigabit LAN
MULTI I/O	
Chipset	SIS 964, ITE 8705 2x IDE (UDMA33/66/100), 1x FDD, 1x KB, 1x Mouse; 2x RS-232, 2x SATA
USB	4 ports on board, Pin header for 2 additional ports (USB 2.0)
Audio	SIS 964 built-in audio + AC97 codec, SPDIF support; 2W+2W volume amplifier
Others	1394, ATX power connector
MECHANICAL AND ENVIRONMENTAL	
Dimensions	170mm x 170mm

About GZ TECH

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