

SBC



ISA-1510 **NS-Geode™ Half-size** **CPU Card** **with VGA/LAN**

ISA-1510, a low power half-size CPU card, is built-in with NS GX1-300MHz processor, specially designed for low cost markets.

This card is integrated with VGA function supporting CRT and 18-bit TFT LCD panel display, where simultaneous displays are allowed.

The embedded Realtek RTL8139 provides LAN function that supports for 10/100Mbps PCI fast ethernet.

The CPU card provides Infrared function, supporting Standard Infrared (SIR) protocol with baud rate up to 115.2 Kbps.

A 32-pin SSD socket on board supports M-system Disk-on-chip up to 144MB.

The card also provides USB function, IDE supporting UDMA-33, and two high-speed serial ports (16550 UARTs), one of which can be configured as RS-232/422 or RS-485.



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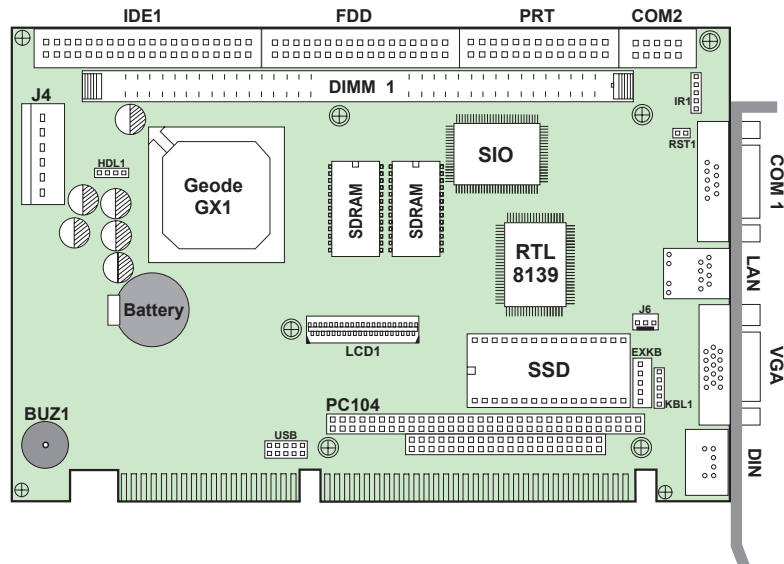
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ISO CERTIFIED
9001 | 14001

ISA-1510

NS Geode™ Half-size CPU Card with VGA/LAN



Specifications

System	
CPU Type	NS Geode™ GX1
CPU Frequency	300MHz
Chipset	NS Geode™ CS5530
DRAM	1x168-pin DIMM, support SDRAM up to 256MB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	16 level Watchdog timer selectable w/Reset/NMI
Power Supply	Support AT/ATX power
Power Requirement	Power Requirement +5V
Power Consumption	Power Consumption +5V: 1.7A
Dimension	185mm x 122mm (7.28" x 4.8")
I/O Chipset	
IDE Interface	1x40-pin IDE (UDMA 33)
SSD	32-pin socket supports DOC up to 288MB
FDD Interface	1
Bus Interface	PC104
Serial Port	2 x COM ports, COM1 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)
Parallel	1 x parallel (SPP/EPP/ECP)

IrDA	1 (SIR)
Keyboard	Mini DIN connector or external connector
Mouse	Mini DIN connector (selectable w/ KB) or Y-cable
LAN	Realtek RTL8139C (10/100Mbps) Support Wake-on-LAN with ATX power
USB	2 x USB 1.1

Display

Graphic	Built-in NS CS5530, share system memory, support CRT, TTL
LCD Interface	18-bit TTL

Environment

OperationTemp.	0°~60°C(32°~140°F)
Storage Temp.	-40°~85°C(-40°~185°F)
Humidity	Operation humidity 20~90%, storage humidity 20~95%

Ordering Info

ISA-1510	ISA CPU card with Geode GX1 300MHz CPU /VGA /LAN
Certificate:	CE, FCC, CLASS A

PERFORMANCE & POWER CONSUMPTION

CPU Type	Business Winstone 99	CPU Mark 99	Power Consumption +5V
NS Geode™ GX1-300MHz	9.38	9.39	1.7A

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