

SBC



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

Prox-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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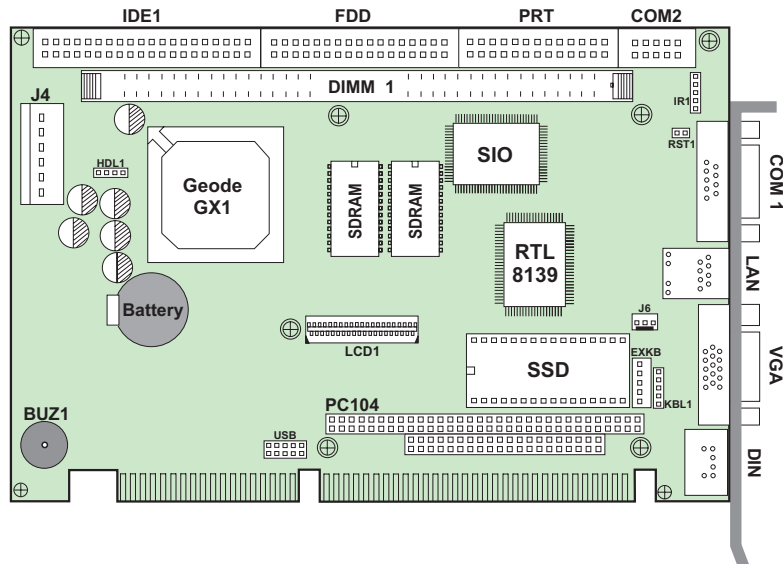
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ISO CERTIFIED
9001 | 14001

Prox-1510

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



Specifications

CPU Type	NS Geode™ GX1 low power CPU
CPU Voltage	2.0V
CPU Frequency	300MHz
Chipset	NS Geode™ CS5530
DRAM	1 x 168-pin DIMM up to 256MB 32MB SDRAM on board (optional)
Cache	Built-in CPU
BIOS	Phoenix-Award PnP BIOS with VGA BIOS, Flash ROM
I/O Chipset	Winbond 83977F
IDE Interface	1 x EIDE (UDMA-33)
FDD Interface	1
Serial Port	2 x 16550 UART, COM2 for RS232/422/485
Parallel Port	1 x parallel (SPP/EPP/ECP)
Watchdog	16 level Watchdog Timer
CMOS	Built-in W83977F
Keyboard	Mini DIN connector & external connector
Mouse	Mini DIN connector (selectable w/ keyboard/Y-cable)
Speaker	Internal buzzer & external speaker connector
IrDA	1 x IrDA (SIR)
VGA	Built-in CS5530, 1.5~4MB shared memory for CRT & 18-bit TFT LCD

LAN	RTL8139C, 10/100 Base-TX Ethernet 1 x RJ-45 Jack on board
SSD	32-pin socket supports DOC up to 144MB
USB	2 x USB 1.1
Bus Interface	ISA Bus, PC/104 Bus
PowerSupply	Support AT/ATX power 6-pin P8 power connector on board

Power Requirement	+5V
Green Function	Controlled by hardware & software

Mechanical and Environment

Operation Temp.	0°C ~ 60°C
Storage Temp.	-40°C ~ 85°C
Humidity	20~90%
Vibration	2.5g acceleration over 6 to 2000Hz sine wave(p-p), 1 oct/min sine sweep
Shock	30g, 11 msec duration, half-sine shock pulse
Dimension	185mm x 122mm, 7.28" x 4.8"

Available Models

Prox-1510 with VGA/LAN, w/o 32MB SDRAM
Prox-1511 with VGA, w/o LAN/32MB SDRAM
Prox-1510A with VGA/LAN/32MB SDRAM
Prox-1511A with VGA/32MB SDRAM, w/o LAN

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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