

# NOVA-4898

5.25" GX1-300MHz CPU Board with LCD/ CRT  
VGA, TV Out, LAN & Audio

Single Board Computer

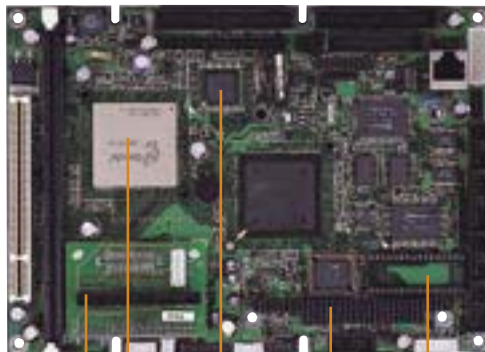
PIAGP Series  
PICMG  
Half-Size  
Industrial Motherboard  
5.25" NOVA  
EPIC NANO  
3.5" WAFER  
ETX  
PC/104  
Add-on Card  
IVC Card  
Backplane

LCD Product Series

Chassis

Power supply

Peripheral



AMD GX1 300  
Intel 82551 LAN (or Realtek 8100BL LAN)  
PC/104  
DiskOnChip Socket  
FP24-01A



Rear Side



CF Type II Socket

## Feature

- AMD Geode GX1-300 CPU for Fanless system support
- CRT display integrated in CS5530A, support LVDS module (optional), TV-Out
- 1x PC133 SDRAM support up to 512MB
- Support 1x PCI and PC/104 extension slots
- CFII,DOC,LAN, USB, Multi-COM, Audio integrated

## Specifications

<b>CPU</b>	Embedded AMD Geode GX1 300MHz
<b>BIOS</b>	Award PnP Flash BIOS
<b>System Chipset</b>	AMD Geode™ GX1 + CS5530A
<b>System Memory</b>	1 xPC100/133 SDRAM up to 512MB
<b>Display</b>	<ul style="list-style-type: none"> <li>- Built-in CS5530A chipset, supports TFT LCD &amp; CRT display</li> <li>- V-RAM: Share with system memory (up to 4MB), setting in BIOS</li> <li>- Resolution: 1280 x 1024 for CRT display</li> <li>- Connector: 10-pin pin-header for CRT display (Shipping with cable for DB-15 connector)</li> <li>50-pin pin-header for 18-bit TFT LCD</li> <li>44-pin pin-header for 18-bit LCD (With FP24-01A board)</li> <li>Built-in TV out function supports NTSC and PAL signal</li> <li>Optional LVDS-01 LVDS module for LVDS LCD panel</li> <li>- Ethernet : Intel 82551 or Realtek RTL-8100BL 10/100Mbps Ethernet Controller on board</li> </ul>
<b>SSD</b>	One DiskOnChip socket and one CF Type II socket (Support IBM Microdrive compact size HDD)
<b>Audio</b>	AC'97 compliant Audio CODEC
<b>I/O</b>	<ul style="list-style-type: none"> <li>- 3 x RS-232 port</li> <li>- 1 x RS-232/422/485 selectable port</li> <li>- Serial ports provides +5V &amp; +12V power supply</li> <li>- 1 x parallel port (support SPP/EPP/ECP mode)</li> <li>- 2 x USB 1.1 (pin header)</li> <li>- 1 x IrDA port</li> <li>- 1 x FDD port</li> <li>- 2 x ATA-33 IDE channel (40-pin/44-pin)</li> </ul>
<b>Digital I/O</b>	TTL level, 4 x inputs and 4 x outputs
<b>WDT</b>	software programmable, support 1~ 255 sec. system reset
<b>Power Control Function</b>	Support ATX function
<b>Expansion Slot</b>	One PCI slot and one PC/104 connector for add-on card
<b>Power Consumption</b>	+5V@2A, +12V@100mA (GX1 300MHz CPU and 32MB SDRAM)
<b>Operating Temperature</b>	0~60°C
<b>Relative Humidity</b>	5~95%, non-condensing
<b>GW</b>	700g
<b>Note</b>	Equipped with a standard FP24-01A board

## IEI Option

- **LVDS-01-R7**  
One channel LVDS module, 18-bit Work with NEC 15" NL1027BC30-04F LCD Panel,...etc.
- **CB-USB02**  
Dual ports USB cable with bracket

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**EB-2810**  
Embedded Chassis for NOVA-4898

## Specifications

- ◆ Support one PC/104 module space
- ◆ Equipped with ACE-916A PSU
- ◆ Optional ACE-816/916 series PSU
- ◆ Support two 2.5" drive bay
- ◆ Two cooling fans
- ◆ Dimension: 325mm(W)x 50mm(H)x 300mm(D)

## Ordering Information

- **EB-2810/ACE-916A**  
Embedded chassis with ACE-916A 150W AT power supply
- **EB-2810/ACE-816A**  
Embedded chassis with ACE-816A 150W ATX power supply

## Ordering Information

- **NOVA-4898N-300-R4**  
5.25" GX1-300MHz CPU Board with LCD/ CRT VGA, TV Out, Intel LAN & Audio, R4
- **NOVA-4898R-300-R4**  
5.25" GX1-300MHz CPU Board with LCD/ CRT VGA, TV Out, Realtek LAN & Audio, R4