

NOVA-7896

5.25" Socket 370 CPU Board with LCD/
CRT VGA, LAN, 1394 & Audio



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Feature

- Intel PIII / Tualatin / Celeron CPU support upto FSB 133 MHz
- CRT/LCD, support 24-bit TTL LCD,TV-Out(Optional) shared system memory up to 64M SDRAM
- 1x PC133 SDRAM support up to 512MB
- Support PCI and PC/104(7896) or PC/104+(7895 PCI only)
- CFII, Dual LAN, USB, Multi-COM, Audio integrated

Specifications

CPU	Supports Intel Tualatin Socket-370 66/100/133MHz FSB
System Chipset	SiS 630ST, PCI 2.2 compliant
System Memory	1x PC 100/133 SDRAM support to 512MB
Display	SiS630ST chipset integrated 2D/3DGraphic Core Resolutions: up to 1920x1440 V-RAM: Share system memory up to 64MB SDRAM
Optional LCD Interface	by SiS630ST chipset 50-pin connector to support 24-bit LCD panel equipped with FP24-02V10 for 44-pin 24-bit Panel connection
Ethernet	2x 10/100Mbps fast Ethernet controller onboard (Intel 82559 / Realtek RTL8100BL)
SSD	1x Compact Flash Type II socket onboard
I/O	- 3x RS-232 series port by pin header (16C550 UARTs Compatible) - 1xRS-232/422/485 selectable port - 1x LPT by pin header (support SPP/EPP/ ECP mode) - 1x IrDA (SIR mode) - 2xUSB port by pin header (USB 1.1 Compliant) - 1x FDD channel support 1.44MB, 2.88MB and 3-mode - 2x ATA-100 IDE channel, support CD-ROM; ZIP and LS-120 bootable.(NCF version only, standard version support one IDE ATA-100 channel)
Audio	AC'97 compliant Audio CODEC with 6W Amplifier (Line-in, Line-out, Mic-in by pin header)
IEEE-1394	2x IEEE-1394a 400Mbps port onboard
WDT	software programmable support 1~255 second system reset
Expansion Slot	One PCI slot PC/104 Plus (NOVA-7895), PC/104 (NOVA-7896)
Isolated Digital I/O	4 Inputs and 4 Outputs
Hardware Monitoring	CPU Vcore; Vcc; CPU/System Fan speed and Thermal
ATX power control function	Meets ACPI 1.1
Power Consumption	+5V@7.5A, +12V@0.3A (Pentium III 1.4GHz/256MB)
Operating Temperature	0~60°C (CPU cooler required)
Relative Humidity	5-95%, non-condensing
GW	900g
Remark	8-bit limited ISA (LPC-ISA)

IEI Option

CF-504

Slim Type Copper Socket-7/370 CPU Cooler

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IEEE-1394 Tualatin Supports



EB-2820

Embedded Chassis for NOVA-7895/7896

Specifications

- ◆ Supports 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-2820/ACE-916A

Embedded chassis with ACE-916A 150W AT power supply

EB-2820/ACE-816A

Embedded chassis with ACE-816A 150W ATX power supply

Ordering Information

- **NOVA-7896R** 5.25" Socket 370 CPU Board with LCD/ CRT VGA, Realtek LAN & Audio
- **NOVA-7896RFW** 5.25" Socket 370 CPU Board with LCD/ CRT VGA, Realtek LAN, 1394 & Audio
- **NOVA-7895R** 5.25" Socket 370 CPU Board with LCD/ CRT VGA, Realtek LAN, PC/104+ & Audio
- **NOVA-7895RFW** 5.25" Socket 370 CPU Board with LCD/ CRT VGA, Realtek LAN, PC/104+, 1394 & Audio
- **NOVA-7895N** 5.25" Socket 370 CPU Board with LCD/ CRT VGA, Intel LAN, PC/104+ & Audio
- **NOVA-7895NFW** 5.25" Socket 370 CPU Board with LCD/ CRT VGA, Intel LAN, PC/104+, 1394 & 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