

NOVA-8890M

5.25" Embedded Socket-478 CPU Board with LCD/CRT VGA, LAN, GbE, USB 2.0, 1394 & Serial ATA

5 YEARS LONG TERM SUPPORTS

Low Power consumption Pentium® 4-M solution ready



CF-512

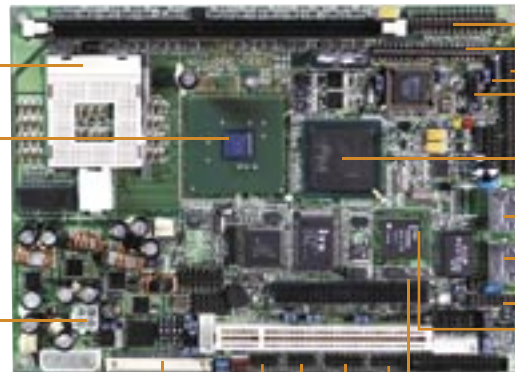


CF-513

Supports Intel Pentium® 4/ Celeron up to 533 MHz FSB

Intel® 845GV

ATX 12V



LVDS Interface

COM

PC/104 Plus

- LPT
- IDE
- Serial-ATA (optional)
- ICH4
- 10/100 Mbps LAN
- GbE LAN
- USB
- Intel 82540 LAN Controller



SPECIFICATIONS

USB 2.0

IEEE-1394



EB-2850



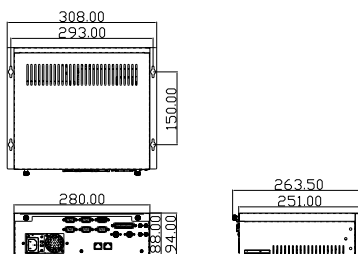
SPECIFICATIONS

- ◆ Multi-Mounting design solution for wall-mount/Desktop Top/RACK-mount application
- ◆ 2 x USB and 1 x IEEE 1394 ports supported on front panel
- ◆ User friendly design for Compact Flash vsing easily
- ◆ Drive space for one internal 2.5" HDD
- ◆ Support one PC/104 Plus module space
- ◆ Standard equipped with Power Supply : ACE-816A 150W ATX Power Supply ACE-916A 150W AT Power Supply
- ◆ Optional Power Supply :UPF200-AA 200W ATX Power Supply with PFC function ACE-916AP 150W AT Power Supply with PFC function
- ◆ Color: Dark Blue (PANTONE 433C)
- ◆ Dimension: 280mm(W) x 88mm(H) x 251mm(D)

ORDERING INFORMATION

- **EB-2850/ACE-816A**
Industrial Embedded chassis with ACE-816A 150W ATX Power Supply
- **EB-2850/ACE-916A**
Industrial Embedded chassis with ACE-916A 150W ATX Power Supply

Dimensions



- ◆ CPU: Socket-478 base support Intel® Pentium 4-M & Pentium® 4/ Celeron up to 533 MHz FSB
- ◆ System Chipset: Intel 845G/ GV + ICH4 (support Hyper-Threading Technology)
- ◆ System Memory: One PC1600/ PC 2100 (200/ 266MHz) DDR SDRAM maximum up to 1GB
- ◆ Display: VGA chip: Integrated in 845G/ GV chipset
 - LCD controller: NS DS90C2501 supports up to 1400x1050 resolution, 24/48-bit TFT LCD
 - V-RAM: shared with system memory (DVMT technology)
 - CRT Resolution: Supports up to 2048x1536 36-bit color display
 - Connector: DF14-30F for 48-bit Dual channel LVDS, DB-15 for CRT display
- ◆ Ethernet: 1x10/100 Mbps Ethernet onboard i82562ET (NOVA-8890, NOVA-8890SF)
 - 1x10/100 Mbps Ethernet onboard i82562ET and 1 x Gigabit Ethernet onboard i82540(NOVA-8890SFG)
- ◆ SSD: One Compact Flash Type II socket
- ◆ IEEE-1394: 2 x IEEE-1394a 400Mbps by pin-header (TI TSB43AB22)
- ◆ I/O:
 - 3 x RS-232
 - 1 x RS-232/422/485 selectable port with Auto-Direction function
 - 4 x USB 2.0
 - 1 x LPT
 - 1 x FDD channel support 1.44/ 2.88MB and 3-mode
 - 2 x ATA-100 IDE channel (1 x 40-pin, 1 x 44-pin)
 - 2 x Serial-ATA parallel to serial (optional)
- ◆ Audio: AC' 97 Codec
- ◆ Digital I/O: TTL Level, 4 inputs and 4 outputs
- ◆ WDT: Software programmable support 1~255 second system reset
- ◆ Expansion slot: 1 x PCI slot, 1 x PC104+ (Only PCI)
- ◆ Hardware monitoring: Provides CPU Vcore, Vcc, CPU/ System fan speed and temperature detecting function.
- ◆ Power Supply Input: 4-pin power housing (5.25" Drive Connector)
- ◆ Power Consumption: +5V@ 4.2A ; +12V@4.85A (P4 2.4 GHz/ DDR266 512MB SDRAM) +5V@ 3.9A ; +12V@4A (P4-M 2.4 GHz/ DDR266 512MB SDRAM)
- ◆ Operating Temperature: 0~60°C
- ◆ Relative Humidity: 5~95%, non-condensing



Equipped with two serial-ATA cable sets for NOVA-8890S series

Intel® Pentium® 4 Processor -M Family	
Available Speeds	2.60 GHz, 2.50 GHz, 2.40 GHz, 2.20 GHz, 2.0 GHz, 1.80 GHz, 1.70 GHz, 1.60 GHz, 1.50 GHz, 1.40 GHz

ORDERING INFORMATION

- **NOVA-8890M** 5.25" Embedded Socket-478 Pentium® 4/ 4-M CPU Board with LCD/ CRT VGA, LAN, USB2.0
- **NOVA-8890MSF** 5.25" Embedded Socket-478 Pentium® 4/ 4-M CPU Board with LCD/ CRT VGA, LAN, USB2.0, 1394 and Serial ATA
- **NOVA-8890MSFG** 5.25" Embedded Socket-478 Pentium® 4/ 4-M CPU Board with LCD/ CRT VGA, LAN, GbE, USB2.0, 1394 and Serial ATA
- **CF-512** CPU cooling fan Supports P4 CPU up to 2.5GHz
- **CF-513** CPU cooling fan Supports P4 CPU up to 3.06GHz
- **CF-515** Skiving CPU cooling fan support P4-M CPU up to 2.6 GHz