

POS-478

Socket-478 base Full Function POS

LCD/CRT VGA, LAN, GbE, Serial ATA, 1394

Supports Hyper-Threading Technology



CF-510
Intel standard
P4 cooler
(Ordered seperately)



CF-512
High performance
cooling fan
(Ordered seperately)

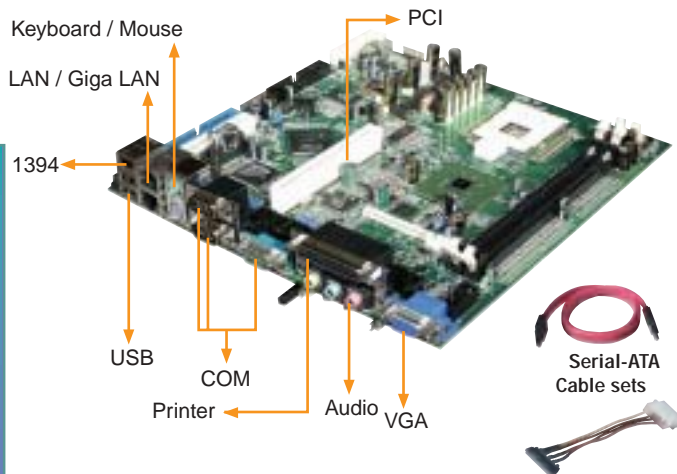


CF-513
Copper base
high performance
cooling fan
(Ordered seperately)

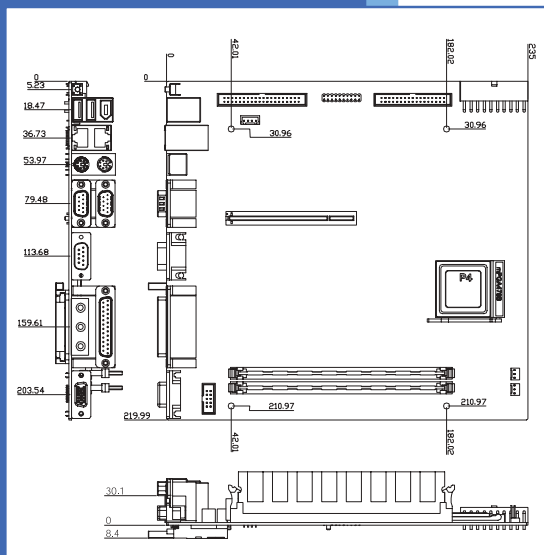
The CF-510 is designed for Intel® standard Pentium 4 CPU cooler which is an aluminum heat sink with fan. Rather than a flat lump of metal, heat sinks are designed with hills and valleys in order to provide more surface area to make contact with the air. However, the heat dispersion capability is different due to the inheritance of natural material between aluminum and cooper. CF-512 is more suitable for critical scale of embedded appliance. Within its superior thermally conductive material, revolutionary shape design and high performance compact size benefits, LCD/Panel PCs, Industrial PCs and 1U server can be the good example of the application. CF-513 is capable of supporting up to P4 3.06GHz CPU.

FSB 533

DDR 266



Dimensions:



SPECIFICATIONS

Serial ATA

USB 2.0

Gigabit Ethernet



485 Selection

- **CPU** : Socket-478 base support Intel® Pentium® 4/ Celeron™ up to 533MHz FSB
- **System Chipset** : Intel® 845G/GV + ICH4(support Hyper-Threading P4)
- **System Memory** : 2 x PC-1600/PC-2100(200/266MHz) DDR SDRAM, maximum up to 2GB
- **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
- **SSD**: One Compact Flash™ type II socket
- **Ethernet** : 1 x onboard 10/100Mbps Ethernet
 1 x 10/100/1000Mbps Ethernet (Intel 82540)
- **Audio** : AC '97 Codec, 6W Amplify
 (supports line-in, line-out, mic-in and speak-out)
- **I/O** : - 3 x RS232 serial port
 - 1 x RS232/RS422/485 selectable port
 - 2 x LPT parallel ports
 - 6 x USB 2.0 ports
 - 2 x ATA-133 IDE channel
 - 2 x Serial-ATA(Silicon Image SIL3112), equipped with 2 Serial-ATA cables support RAID 0 (Striping) and RAID 1 (Mirroring) with Silicon Image Medley-software RAID. (optional)
 - 1 x FDD port
- **IEEE-1394**: 2 x IEEE-1394a 400Mbps ports (TI TSB43AA22)
- **Digital I/O** : TTL Level, 4 x inputs and 4 x outputs
- **Extension Slot** : 1 x 32-bit PCI slot
- **WDT**: Software programmable supports 1~255 sec system reset
- **Support ATX function**
- **Power Consumption** : +5V@4.7A, +12V@7A (P4 2GHz /1GB DDR SDRAM)
- **Operating Temperature** : 0~60°C
- **Relative Humidity** : 5~95%, non-condensing

What are the differences between USB and IEEE-1394?

USB & IEEE 1394 Interface Comparison Table

Interface	USB1.1	IEEE1394.a	USB2.0
Speed	12Mb/s	400Mb/s	480Mb/s
Connector Device Supported	127	63	127
Plug & Play	Yes	Yes	Yes
Main Peripheral Devices	Keyboard Mouse Modem Printer Scanner DSC	DV HD HDTV CD-R/RW DVD-ROM	As USB1.1

ORDERING INFORMATION

- **POS-478** Socket-478 base full function POS board
- **POS-478S** Socket-478 base full function POS board with Serial-ATA
- **CF-510** Intel P4 CPU cooler
- **CF-512** CPU cooling fan support P4 CPU up to 2.5 GHz
- **CF-513** CPU cooling fan support P4 CPU up to 3.06 GHz