



Pentium 4 Embedded Board HS-4700

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Embedded Engine Board with

- **CRT/Panel Control**
- **Audio**
- **Dual LAN**
- **NSTSC/PAL TV-OUT**
- **4 x RS-232**
- **IrDA**
- **USB**
- **H/W Monitoring**

Features :

PGA 478 for Intel Pentium 4 1.2.. 2.2 GHz CPU
Intel 8284/82801 BA System Chipset
RAM up to 3 x 512 MB
Winbond W83627 super I/O Chipset
Fast PCI ATA/33/66/100 IDE controller
Four RS-232 serial ports
C&T 69030 CRT/Panel display controller
Intel 82559 and Intel 82562 10/100 Based LAN
AC97 3D Audio controller
ATX Power Function
Hardware Monitoring
TV-Out (option)

Specification

CPU: PGA 478 for Intel Pentium 4 1.2~2.2GHz CPU
Bus Interface: PCI Bus
Memory: Three DIMM sockets supporting up to 1.5GB
Chipset: Intel 82845/82801BA
I/O Chipset: Winbond W83627 x 2
PCI Slot: One standard PCI Slot
VGA C&T 69030 with 4MB memory CRT/Panel displays up to 1600 x 1200 at 64K colors
IDE Four IDE disk drives supporting ATA/33/66/100 and with transfer rates of up to 100 MB/s
FDD: Supports up to two floppy disk drives
Parallel: One enhanced bi-directional parallel port supporting SPP/ECP/EPP
LAN: Intel 82559 and Intel 82562 10/100 Based LAN
Audio: AC97 3D audio controller
Serial Port: 16C550 UART-compatible RS-232 x 4 serial ports with 16-byte FIFO
IrDA: One IrDA TX/RX header
USB: Two USB connectors
TV-Out: Supports PAL or NTSC TV systems (optional)
Keyboard/Mouse: 8-pin connector supporting standard PC/AT keyboard and PS/2 mouse
BIOS: AMI PnP Flash BIOS
Watchdog Timer: Jumper selectable for system Reset and NMI; Software programable time-out intervals from 1~256 sec.
CMOS: Battery backup
Power Connector: One 4-pin and one 20-pin ATX power connector
Operating Temperature: 0~60°C
Hardware Monitor: Winbond W83627
Board Size: 20.3 x 14.6 cm