

## Pentium 4 Embedded Board HS-4700



### 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