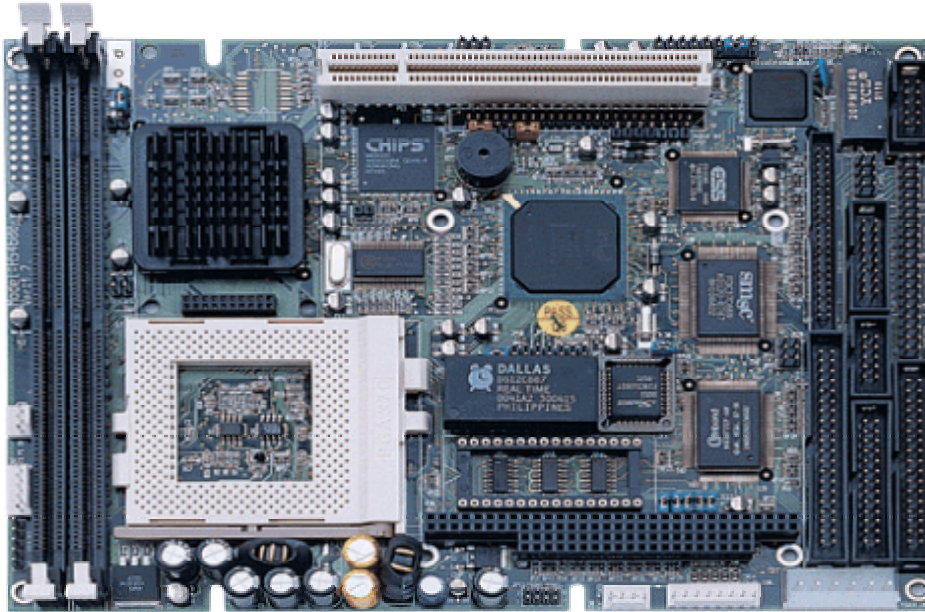




EmCore-HS-4600

Embedded Engine Board with VGA, Audio, LAN and NTSC/PAL-TV-Out



Features

- Socket 370 for Intel Celeron / Coppermine 266MHz~1.2GHz CPU
- Intel 82443BX/82371 system chipset
- 100MHz FSB providing up to 133MHz FSB (ver 2.0 only)
- Two DIMM sockets with a maximum capacity of 512MB
- SMC 37C669 super I/O chipset
- Three RS-232 and one RS-232/422/485 serial ports
- C&T 69000 CRT/Panel display controller
- Intel 82559 10/100 Based LAN
- ESS Solo1 3D audio controller
- Supports Rockwell GPS connector
- Supports ATX power function
- Supports Hardware Monitor function (ver 2.0 only)
- Supports 8-bit Digital Input/Output function (optional)
- Supports TV-Out function (optional)

Specifications

- **CPU:** Socket 370 for Intel Celeron / Coppermine 266MHz~1.2GHz CPU
- **Bus Interface:** PCI Bus
- **Bus Clock Rate:** 100MHz FSB clock rate supporting up to 133MHz FSB (ver 2.0 only)
- **Memory:** Two DIMM sockets providing up to 512MB
- **Chipset:** Intel 82443BX/82371
- **I/O Chipset:** SMC 37C669
- **PCI Slot:** One standard PCI Slot
- **VGA:** C&T 69000 with 2MB memory supporting CRT/Panel displays up to 1280 x 1024 at 256 colors
- **IDE:** Four IDE disk drives supporting ATA/33 and with a transfer rate of up to 33MB/sec.
- **FDD:** Supports up to two floppy disk drives
- **Parallel:** One enhanced bi-directional parallel port supporting SPP/ECP/EPP
- **LAN:** Intel 82559 10/100 Based LAN
- **Audio:** ESS Solo1 3D audio controller
- **Serial Port:** 16C550 UART-compatible RS-232/422/485 x 1 and RS-232 x 3 serial ports with 16-byte FIFO
- **PC/104:** PC/104 connector for 16-bit ISA Bus
- **GPS:** Supports one Rockwell GPS module-compatible socket
- **IrDA:** One IrDA TX/RX header
- **USB:** Two USB ports
- **Digital I/O:** 8-bit Digital I/O (HS-4600TV only)
- **TV-Out:** Supports PAL or NTSC TV systems (HS-4600TV only)
- **Keyboard/Mouse:** 8-pin connector supporting standard PC/AT Keyboard and PS/2 Mouse
- **DiskOnChip:** DiskOnChip socket supporting memory sizes of up to 288MB
- **BIOS:** Award PnP Flash BIOS
- **Watchdog Timer:** Sets 1, 2, 10, 20, 110, 220 seconds, activity trigger with Reset or NMI
- **CMOS:** DS12C887 or equivalent device
- **ATX Power:** Supports ATX power function
- **Power Connector:** One 4-pin +5V/+12V and one 4-pin -5V/-12V connector
- **Operating Temperature:** 0~60°C
- **Hardware Monitor:** Winbond W83783S
- **Board Size:** 20.3 x 14.6 cm