




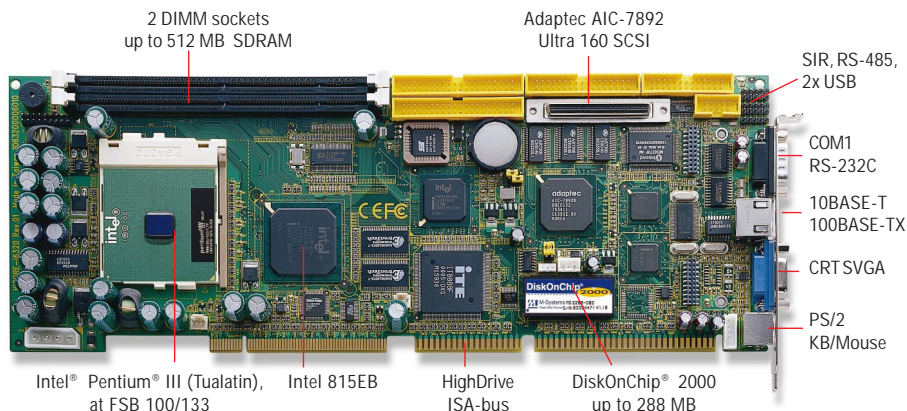


# HiCORE-i6320

	Socket 370 : Pentium-III (Tualatin) at FSB 66/100/133
	SCSI U160 AIC-7892
	3 LAN 10/100 Intel 82559
	CRT Display Intel 815
	TFT TMDS daughterboard



## Pentium-III (Tualatin)

## Ultra 160 SCSI, Flat Panel/CRT and Triple Fast Ethernet

### General Specifications

#### CPU

Socket 370 FC-PGA/FC-PGA2 supports : Pentium®III (Tualatin) up to 1.26 GHz and Celeron with FSB @ 133 / 100 / 66 MHz

#### Chipset

Intel 815EB with integrated 82815 GMCH and 82801BA ICH2

#### BIOS

AWARD Flash BIOS v6.0 Green&Soft Off function, LS120, Multiple boot, FWH 4 MB

#### Green Function

power saving supported in BIOS. DOZE / STANDBY / SUSPEND modes, ACPI & APM

#### Secondary Cache

Integrated on CPU

#### DRAM Memory

up to 512 MB of SDRAM in two 168-pin DIMM sockets (supports PC-133 SDRAM)

#### Data Bus & Bus Speeds

32-bit PCI at 33 Mhz, 16-bit ISA at 8 Mhz

#### PCI Enhanced IDE with Ultra DMA

supports 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 33/66 MB/sec

#### Watchdog Timer

128-level timer generates RESET or NMI when your application loses control over the system.

#### Real-time Clock

built-in chipset with lithium battery backup for 10 years of data retention. CMOS data backup of BIOS setup and BIOS default.

#### Flash Disk DiskOnChip® 2000

#### Package

Single Chip Flash Disk in 32-pin DIP JEDEC

#### Capacity

up to 288 MByte

### High Drive ISA64 bus CTI ready

#### ISA Add-on

64 mA high drive buffer supports up to 20 ISA based add-on cards

### High Speed Multi I/O

#### Chipset

Winbond W83627HF

#### Serial Ports

one external high speed RS-232C port COM1, one internal high speed RS-232C/422/485 port COM2. Both with 16C550 and 16 byte FIFO.

#### USB

4 onboard USB v1.0 ports (2x 5-pin header)

#### SIR Interface

onboard IrDA TX/RX port (5-pin header)

#### Floppy Disk Drive Interface

2 floppy disk drives, 5¼" (360 KB or 1.2 MB) and 3½" (720 KB, 1.44 MB or 2.88 MB).

#### Bidirectional Parallel Port

SPP, EPP and ECP mode.

#### Keyboard and Mouse Connectors

external PS/2 KB/Mouse port (2-in-1 mini DIN) onboard AT Keyboard port (5-pin box header) external PS/2 Mouse port on daughterboard

### Network Interface Controller

#### Chipset

2x Intel 82559 and 1x Internal 82562ET PHY 10/100 Mbps, autoswitching

#### Connector

Single RJ-45 on system board bracket Dual RJ-45 on daughterboard bracket

### SCSI Interface Controller

#### Chipset

Adaptec AIC-7892

#### Type

SCSI ULTRA 160

#### Connector

onboard 68-pin male SCSI-3

### Display Controller

#### Chipset

Intel 815E/82815 Graphics Memory Controller Hub with Dynamic Video Memory Technology

#### Display Type

CRT (VGA, SVGA, XGA, SXGA) Flat Panel TMDS interface on daughterboard.

### Environmental and Power

#### Power Requirements

+5 V @ 6.8 A (typical), +12 V @ 0.08 A (typical) ; (FC-PGA Pentium III 1.0 GHz at 133 FSB and 512 MB PC-133 SDRAM)

#### CPU Power

onboard PWM switching power supply for autodetects CPU core voltage

#### System Monitoring and Alarm

CPU temperature, voltage and fan RPM.

#### Board Dimensions

338 mm x 122 mm

#### Board Weight

0.6 Kg.

#### Operating Temperature

0 to 60°C (32 to 140°F)

### Ordering

**HiCORE-i6320VL3S** : Full-size Tualatin / Pentium-III CPU Card with High Drive ISA, LCD / CRT SVGA, Triple Ethernet and SCSI (includes FEMD-LD1301 daughterboard)

**HiCORE-i6320VL3** : as above without SCSI (includes FEMD-LD1301 daughterboard)

**HiCORE-i6320VL** : as above with single Fast Ethernet port (includes FEMD-D1301A daughterboard)

**FEMD-LD1301** : Daughterboard kit with two RJ-45 Ethernet ports, one Flat Panel DVI port and PS/2 mouse port on bracket

**FEMD-D1301A** : Daughterboard kit with one Flat Panel DVI port on bracket

