HiCORE-i6321

[FPU]	Socket 370 : Pentium-III (Tualatin) at FSB 66/100/133
[LAN]	Dual LAN 10/100 Intel 82559
[CRT]	CRT Display ATI RAGE XL
[LCD]	LCD / DVI ATI Rage XL

Dual Pentium® III (Tualatin) at 1.26 GHz

4 DIMM sockets for up to 4 GB registered SDRAM

COM1/COM2 RS-232C, USB

Dual LAN 10BASE-T 100BASE-TX

CRT SVGA

PS/2 KB/Mouse

64-bit PCI -bus

Dedicated System Monitor

ServerWorks ServerSet III LE

HighDrive ISA-bus

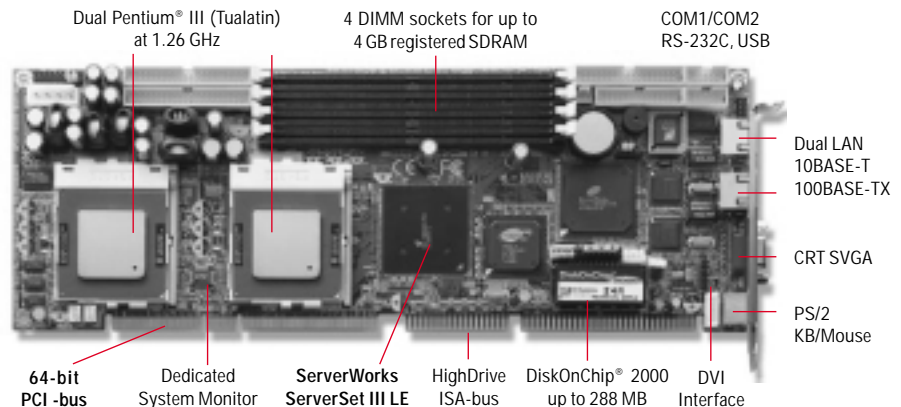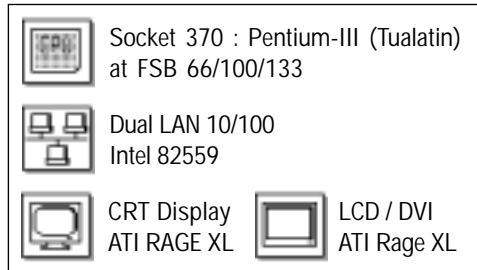DiskOnChip® 2000 up to 288 MB

DVI Interface

Dual Pentium-III (Tualatin) — ServerWorks 3OLE-T, LCD/CRT SVGA and Dual Ethernet

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General specifications

CPU
Dual Socket 370 FC-PGA/FC-PGA2 supports : Pentium Tualatin (512 K) up to 1.26 GHz Intel® Pentium®III with FSB @ 133/100 MHz

Chipset
ServerWorks ServerSet III LE

BIOS
AWARD Flash BIOS v6.0 Green&Soft Off function, LS120, Multiple boot function, 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 4 GB of PC-133 Registered SDRAM in four 168-pin DIMM sockets

Data Bus & Bus Speeds
64-bit PCI at 66/33 Mhz, 32-bit PCI at 33 Mhz (onboard device), 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 MB/sec

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

Real-time Clock
built-in super I/O with lithium battery backup for 10 years of data retention. CMOS data backup of BIOS setup and default.

64-bit PCI bus

Supports 64-bit PCI bus

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
SMSC FDC 37B787

Serial ports
2 external high speed RS-232C ports COM1, COM2 (2x 10-pin box header). Both with 16C550 compatible UART and 16 byte FIFO.

USB
one onboard USB v1.0 port

Floppy Disk Drive Interface
2 floppy disk drives, 5¼" (360 KB or 1.2 MB) and 3½" (720 KB, 1.44 MB).

Bidirectional Parallel Port
SPP, EPP and ECP mode.

Keyboard and Mouse Connectors
external PS/2 KB/Mouse port (2-in1 mini DIN) onboard AT Keyboard port (5-pin box header)

Network Interface Controllers

Chipset
2x Intel 82559, 10/100 Mbps, autoswitching

Connectors
external RJ-45 with LEDs on bracket

Flash Disk DiskOnChip® 2000

Package
Single Chip FlashDisk in 32-pin DIP JEDEC

Capacity
up to 288 MByte

Display Controller

Chipset
ATI RAGE™ XL Supports 8 MB SDRAM

System Bus
32-bit PCI bus

Display Type
CRT (VGA, SVGA, XGA, SXGA) & DVI

Compatibility
IBM VGA hardware

System Monitoring and Alarm

Chipset
Winboard W83782D For CPU & System Temperature, System Voltage and Cooling Fan RPM

Environmental and Power

Power Requirements
+5 V @ 10.03 A (typical), +12 V @ 0.44A (typical), -12V @0.08A (typical); (FC-PGA2 Tualatin 1.26GHz x 2 at 133 FSB and 2048 MB PC-133 Registered SDRAM)

Board Dimensions
338 mm x 122 mm.

Board Weight
0.6 Kg.

Operating Temperature
0 to 55°C (32 to 131°F)

Ordering

HiCORE-i6321VL2 : Full-size, Socket 370, FC-PGA2 CPU Card for Dual Pentium III/ Tualatin CPU with Flat Panel/ CRT SVGA, Dual Fast Ethernet and DiskOnChip socket

HiCORE-i6321VL : as above with single Fast Ethernet port

FEMD-D1301B : Daughterboard kit with one Flat Panel DVI port on bracket