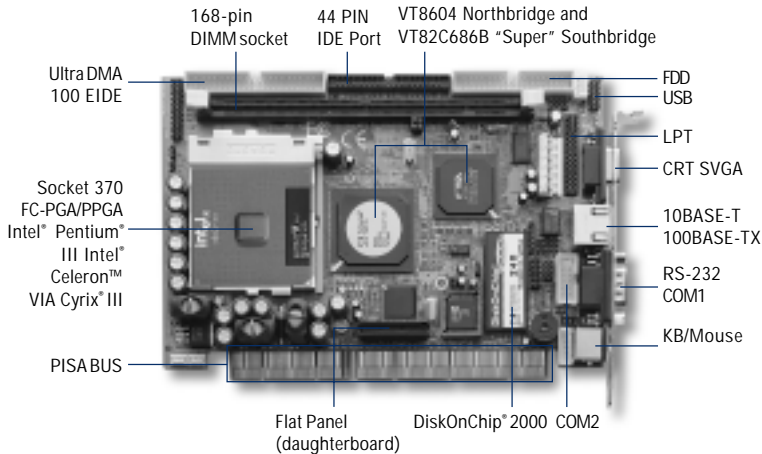


# EmCORE-i6318

## Half-Size PISA Pentium III SBC with Flat Panel/CRT and LAN



### Features



- ★ Intel Pentium III processor up to 1 GHz, Celeron, Cyrix
- ★ SDRAM up to 512MB(DIMM)
- ★ UMA Savage 4 (VT8604) AGP Video supports CRT
- ★ Optional Flat Panel support for TTL, LVDS or TMDS
- ★ LAN 10/100 Mbps, Intel 82559
- ★ PISA (half-size PCI/ISA) bus

## Specifications

### System

- **CPU:** Socket 370 FC-PGA/PPGA supports: Intel Pentium III up to 1 GHz Celeron, VIA Cyrix III with FSB 133/100/66 MHz
- **System Memory:** DIMM socket for up to 512 MB PC-133 SDRAM
- **L2 Cache:** CPU integrated
- **Chipset:** VIA ProSavage PL133 (VT8604 Northbridge and VT82C686B "Super" Southbridge) supports PC-133 SDRAM and FSB 133 MHz
- **BIOS:** Award Flash BIOS Green&Soft Off function, LS120
- **Enhanced IDE:** 2 ports and up to 4 ATAPI devices, primary Ultra DMA 100 MB/sec, secondary Ultra DMA 33 MB/sec
- **Watchdog Timer:** 128-level timer generates RESET or NMI
- **Expansion:** PISA combined PCI/ISA (passive backplane)

### Multiple I/O

- **Serial:** 1 x RS-232C port (COM1), 1 x RS-232C/422/485 port (COM2)
- **Parallel:** SPP, EPP and ECP mode
- **Floppy:** 2 x floppy disk drives, 5¼ and 3½
- **IrDA:** Onboard IrDA TX/RX port
- **USB:** 2 x USB v1.1 ports
- **K/B & Mouse:** PS/2 KB/Mouse on bracket, onboard AT Keyboard port

### LAN

- **Chipset:** Intel 82559
- **Type:** 10/100 Mbps, autoswitching
- **Connector:** RJ-45 with LEDs on bracket

### Flash Disk

- DiskOnChip2000 socket

### Display

- **Chipset:** 4x AGP S3<sup>®</sup> Savage4™ 3D and S3<sup>®</sup> Savage 2000™ 2D engines integrated in VT8604
- **Display Memory:** Up to 32 MB shared memory
- **Display Type:** CRT
- **Resolution:** 1024 x 768 @ 32 bpb  
3 x optional Daughterboards support :
- **TTL:** Dual channel (48-bit)
- **LVDS:** Dual channel 110 MHz (36-bit color)
- **TMDS:** Flat Panel support with DFP on bracket

### Mechanical and Environment

- **Power Requirement:** +5 V @ 4.7 A , +12 V @ 0.13 A  
(Pentium III 800 MHz at 133 FSB + 256 MB PC-133 SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Relative Humidity:** Up ~ 90% @ 55°C
- **Dimension (L x W):** 185 x 122 mm (7.3" x 4.8")
- **Weight:** 0.28 Kg (0.62 lb)

## Ordering Information

### EmCORE-i6318VL

Half-size PISA Pentium III SBC with CRT and LAN  
(integrated Flat Panel function needs daughterboards)

### FEMD-1222/TTL

Flat Panel TTL Daughterboard

### FEMD-1222/TMDS:

Flat Panel TMDS Daughterboard with cable and DFP on bracket

### FEMD-1222/LVDS:

Flat Panel LVDS Daughterboard

### PISA Passive Backplane Series

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### IEC-7401

### Half size 4-slot Wallmount Chassis

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