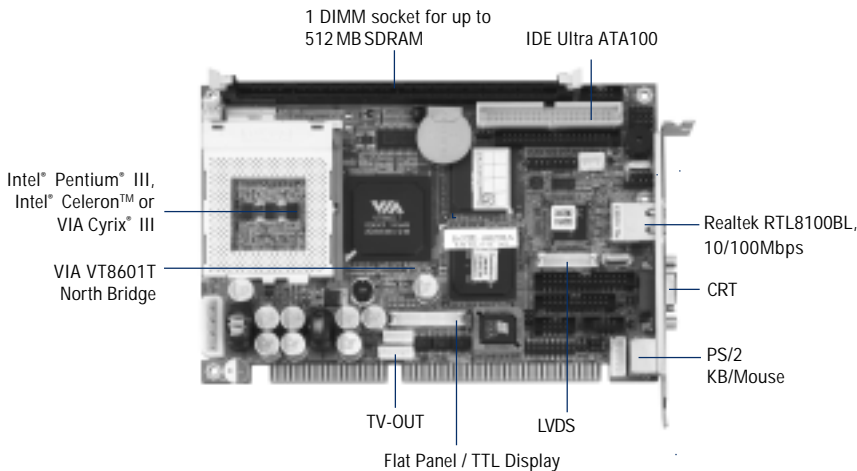


# EmCORE-i6327

Half-Size ISA Pentium III Tualatin SBC with Flat Panel/CRT, Audio and LAN



## Features



- ★ Intel Pentium III Tualatin processor up to 1.26 GHz
- ★ SDRAM up to 512 MB (DIMM)
- ★ Flat Panel / CRT, TV out
- ★ One 10/100Mbps LAN, RTL8100BL
- ★ Audio support
- ★ Support Unique Board ID# for software based security and IP protection

## Specifications

### System

- **CPU:** Socket 370 Pentium® III (Tualatin), up to 1.26 GHz, Intel Celeron™, VIA Cyrix® III FSB 133/100/66 MHz
- **System Memory:** SDRAM up to 512MB on DIMM
- **L2 Cache:** CPU integrated
- **Chipset:** VIA VT8601T with integrated Trident AGP Graphics core & VT82C686B "Super" Southbridge
- **BIOS:** Award 2 MB Flash BIOS
- **Enhanced IDE:** 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 33/66/100MB/sec (IDE1: 40 Pin DMA 100; IDE2: 44 Pin DMA 33)
- **Watchdog Timer:** 128-level timer generates system RESET or NMI
- **Expansion Interface:** 16-bit 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
- **IrDA:** Onboard IrDA TX/RX port
- **USB:** 4 x USB v1.1 ports
- **K/B & Mouse:** External PS/2 KB/Mouse port & onboard AT KB port
- **Digital I/O:** 8-bit, 4 x Digital Input and 4 x Digital Output

### LAN

- **Chipset:** Realtek RTL8100BL, 10/100Mbps, autoswitching
- **Connector:** RJ-45 with LEDs on bracket

### Audio

- **Chipset:** AC'97 2.2 compliant integrated in VIA VT82C686B

- **Interface:** Line-in, CD Audio in, Mic in, Speaker out

### Display

#### CRT only (EmCORE-i6327VL)

- **Chipset:** Trident Blade3D AGP2X Graphics Engine integrated in VT8601T
- **Display Memory:** Share memory max 8MB Video RAM
- **Display Type:** CRT/ TTL
- **Resolution:** 1024 x 768 @ 32bpp, 1280 x 1024 @ 16bpp

#### Flat SMI 722 (8M) (EmCORE-i6327VL/S)

- **Chipset:** SMI Lynx3DM8 + SMI 722, 128-bit GUI 3D Engine
- **Display Memory:** 8MB on-die
- **Display Type:** CRT/ LVDS/ TTL
- **CRT:** 1280 x 1024 @ 24-bit
- **LCD Interface:** TTL/LVDS 1024 x 768 @ 24-bit, TTL/LVDS 1280X 1024 @ 16 bit
- **TV-out:** NTSC, PAL, provides CVBS, S-Video and SCART (RGB) TV out resolutions up to 640 x 480

### Mechanical and Environment

- **Power Requirement:** +5 V @ 5A, +12V @ 0.13 A (typical); (Pentium III 1 GHz + 512 MB 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:** 0.26 Kg (0.57 lb)

## Ordering Information

### EmCORE-i6327VL

Half-size ISA Pentium III Tualatin SBC with CRT/TTL LCD, Audio and LAN

### EmCORE-i6327VL/S

Same as above with SMI 722 for Flat Panel / CRT/ LVDS/ TTL / TV out support

ISA Passive Backplane Series

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Half Size Wallmount Chassis for ISA BUS Series