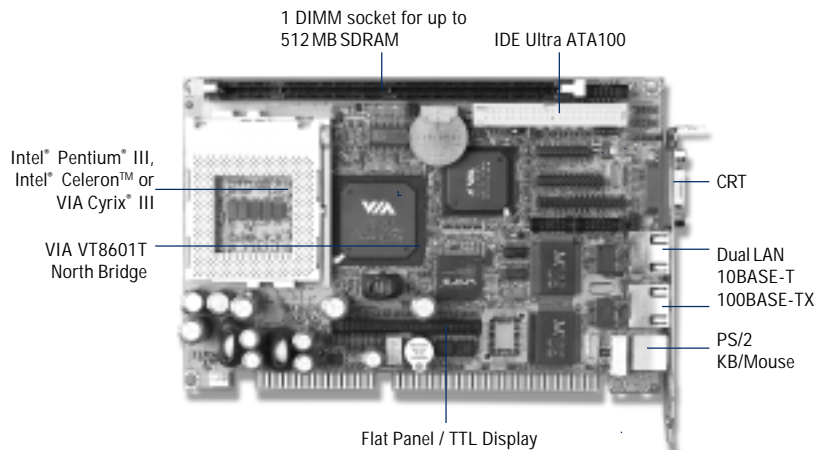


EmCORE-i614

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



Features



- ★ Intel Pentium III Tualatin processor up to 1.26 GHz
- ★ SDRAM up to 512 MB (DIMM)
- ★ 2x AGP SVGA for CRT
- ★ Flat Panel / CRT optional
- ★ Dual 10/100 Mbps LAN, RTL8139C
- ★ Audio 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 with FSB 133/100/66 MHz
- **System Memory:** SDRAM up to 512 MB 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:** 1 port and up to 2 ATAPI devices, Ultra DMA transfer rates 33/66/100 MB/sec
- **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
- **KB & Mouse:** External PS/2 KB/Mouse port & onboard AT KB port
- **Digital I/O:** 8-bit, 4 Digital In and 4 Digital Out

Dual LAN

- **Chipset:** 2 x Realtek RTL8139C, 10/100 Mbps, autoswitching
- **Connector:** 2 x 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

Flash Disk

- CompactFlash Type I/II

Display

CRT only (EmCORE-i614VL2)

- **Chipset:** Trident Blade3D AGP2x Graphics Engine integrated in VT8601T
- **Display Memory:** Up to 8 MB shared memory
- **Display Type:** CRT (VGA, SVGA, XGA, SXGA)
- **Resolution:** 1024x768 @ 32bpp, 1280x1024 @ 16bpp

Flat Panel / CRT (EmCORE-i614CL2)

- **Chipset:** C&T 69000 HiQVideo™ Accelerator
- **Display Memory:** 2 MB SDRAM on die
- **Display Type:** CRT and Flat Panel (TFT, DSTN, SSTN, EL, Plasma)
- **Resolution:** 800x600 @ 24bpp, 1024x768 @ 16bpp, 1280x1024 @ 8bpp
- **LCD Interface:** Support Panel resolution up to TTL 36-bit

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-i614VL2

Half-size ISA Pentium III Tualatin SBC with CRT, Audio and Dual LAN

EmCORE-i614CL2

Same as above with C&T69000 for Flat Panel / CRT, support

ISA Passive Backplane Series

Page 3-18

Half size Wallmount Chassis for ISA bus series