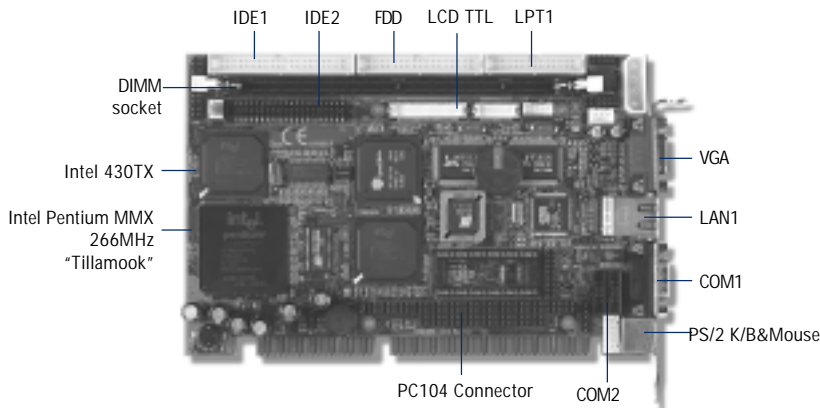


EmCORE-i514

Half-Size ISA Low Power Tillamook SBC with Flat Panel / CRT, Audio and LAN



Features



- ★ Intel Low Power Pentium 266 MMX Tillamook, Fanless
- ★ Flat Panel / CRT supported SMI LynxEM+
- ★ Dual LAN 10/100 Mbps, RT8139C
- ★ Audio support (Optional)
- ★ PC/104 connector

Specifications

System

- **CPU:** Intel Low Power Pentium 266 MMX (Tillamook)
- **System Memory:** 1 x 168 pin DIMM socket for up to 256 MB SDRAM
- **L2 Cache:** 512 KB
- **Chipset:** Intel® 82439 TX
- **BIOS:** Award PnP Flash BIOS Green & Soft Off function
- **Enhanced IDE:** 2 x ports and up to 4 ATAPI devices, one 40 pin, one 44 pin, UltraDMA-33 supported
- **Watchdog Timer:** 128-level generates RESET or NMI
- **Expansion Interface:** ISA (passive backplane) and PC/104 (ISA)

Multiple I/O

- **Serial:** 1 x high speed RS-232C ports (COM1)
1 x jumper selectable RS-232C/422/485 (COM2)
- **Parallel:** SPP, EPP and ECP mode
- **Floppy:** 1 x port and up to 2 x floppy disk drives
- **IrDA:** Onboard IrDA TX/RX port
- **USB:** 2 x USB v1.1 ports
- **K/B & Mouse:** PS/2 K/B & Mouse on bracket, onboard AT Keyboard port
- **Digital I/O:** 16-bit, 8 Digital In and 8 Digital Out

Dual LAN

- **Chipset:** RTL8139C
- **Type:** 2 x 10/100 Mbps, autoswitching
- **Connector:** 1 x external RJ-45 on bracket, 1 x on onboard pin header

Audio (optional)

- **Chipset:** ESS ES1989S, SoundBlaster 3D Audio Controller
- **Interface:** MIC in, Line in, Line out, CD audio in

Flash Disk

- **DiskOnChip2000 socket**

Display

- **Chipset:** SMI LynxEM+ SM712, 64-bit GUI 2D engine
- **Display Memory:** 4 MB on-die
- **Display Type:** CRT and Flat Panel (MONO, DSTN, TFT)
- **Resolution:** Panel resolution up to 1024x768 @ 24bpp
- **LCD Interface:** TTL 36-bit

Mechanical and Environment

- **Power Requirement:** +5 V @ 2.67 A (typical);
(with Intel Low Power Pentium 266 and 256 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:** 0.40 Kg (0.88 lb)

Ordering Information

EmCORE-i514VL

Half-size ISA Low Power Tillamook SBC with Flat Panel / CRT and Single LAN

EmCORE-i514VL2

Same as EmCORE-i514VL with Dual LAN

Optional

Same as EmCORE-i514VL2 with Audio ESS 1989s PCI Audio function

ISA Passive Backplane Series

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Half Size Wallmount Chassis for ISA bus series