FORMOSA INDUSTRIAL COMPUTING,INC.

www.formosa21.com

LMB-375BX

Full-Size Intel Celeron/ Pentium III Processor With LCD/LAN SCSI SBC

Features

- Full-size Socket 370 SBC, PCI/ISA-bus with PICMG2.0 compliance
- Single-side SMT design with noise immunity and operational reliability enhancement
- Supports Flat Panel, WDT, SSD and H/W Status Monitoring

Specification

CPU

- Intel® Celeron or Pentium III processor, up to 850MHz

Chipset

- Intel 440BX chipset, support 66/100MHz FSB

System BIOS

- AWARD 256KB Flash Memory

System Memory

- Support three 168-pins DIMM sockets, up to 768MB SDRAM with ECC

Enhanced IDE

- Supports up to 4 IDE devices & Ultra DMA 33 mode data transfer rate up to 33MB/sec

I/O interface

- Chip: Winbond 83977 with fully 16-bit I/O decoded
- FDD interface: Support up to two floppy disk devices
- Parallel port: One parallel port, support SSP, EPP/ECP modes
- Serial ports: Two RS-232 Ports
- KB/Mouse: 6 pin mini-DIN connector, support PC/AT keyboard and PS/2 Mouse
- IR interface: Support one IrDA TX/RX header

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Specification

USB

- 5x2 head onboard, support Dual USB ports. (Option)

RTC Battery

- Lithium Battery or Dallas retention, up to 10 years

SSD interface

- Support M-Systems DiskOnChip 2000 series up to 144MB

Watchdog timer

- Software programmable 1 to 127 secretary (127 levels) can generate IRQ11, NMI or system reset

H/W status monitoring

- Inbound W83781D H/W status monitoring IC, supports Power Voltage; FAN speeds and CPU temperature Monitoring

Bus interface

- PCI/ISA bus, PICMG compliant

ISA driving capacity

- Supports driving capacity up to 64mA

LCD/VGA (LCD Optional)

- Chipset: C&T 69000 VGA Controller
- Display Memory: Built-in 2MB SDRAM on chip
- Display Type: Supports non-interlaced CRT and LCD (TFT, DSTN and MONO) display. Can display both CRT and Flat Panel Simultaneously
- Resolution: up to 1024 x 768 @ 64K colors

Ethernet interfacet

- Chipset: Realtek RTL8139C support PCI interface
- Type: Fast Ethernet controller, support 10/100Base-T
- Connection: RJ-45 connector

SCSI Controller (Option)

- Chipset: LSI SYM53C895, support PCI interface
- Type: Ultra II SCSI controller, data transfer rates up to 80MB/Sec.

Power supply voltage

- +5V, +12V

Operating temperature

- 0-60°C

Board Size

- 338 x 122 mm

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