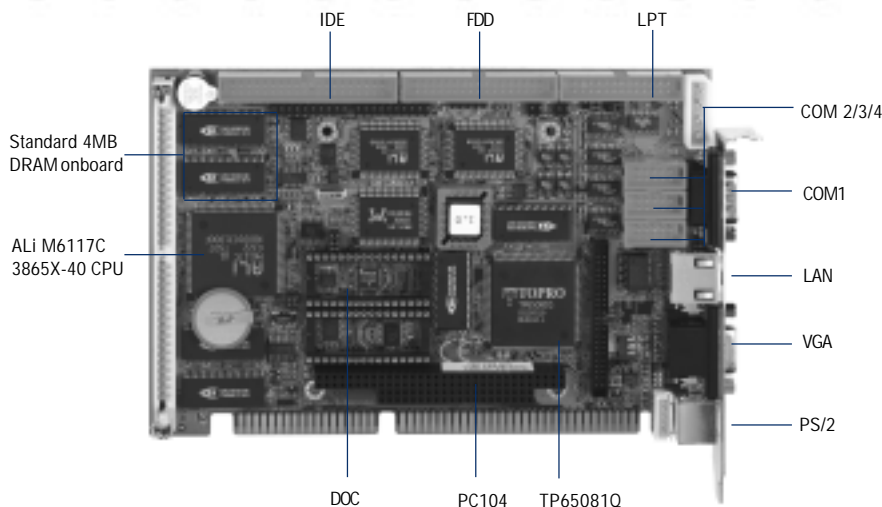


EmCORE-i317

Half-Size ISA 386SX-40 SBC with Flat Panel/CRT and LAN



Features



- ★ *ALi M6117C System on Chip is an Intel compatible 386SX-40 core*
- ★ *4MB EDO RAM onboard and up to 20MB on SIMM socket*
- ★ *Flat Panel / CRT support*
- ★ *LAN 10 Mbps RTL 8019AS*
- ★ *4 Serial Ports*
- ★ *16-bit Digital I/O programmable*
- ★ *PC/104 connector*

Specifications

System

- **CPU + Chipset:** ALi M6117C is an implementation of an INTEL compatible 386SX-40 CPU a watchdog timer and ALi's M1217B chipset
- **System Memory:** 4MB EDO memory soldered onboard and one SIMM socket for up to 20MB additional EDO memory
- **BIOS:** AMI system BIOS
- **Enhanced IDE:** 1 port and up to 2 ATAPI devices, transfer rates 16MB/sec
- **Watchdog Timer:** Generates a system RESET or NMI when your application loses control over the system. Optionally the watchdog can trigger a user specified IRQ. The watchdog is configurable from 30.5 μ s to 512 seconds (in 30.5 μ s segments)
- **Expansion Interface:** ISA (passive backplane) and PC/104 (ISA)
- **Real Time Clock:** *Benchmark BQ3285LF or compatible with Lithium Battery*

Multiple I/O

- **Serial:** 3 x RS-232C ports (COM1/3/4), 1 x RS-232C/485 port (COM2)
- **Parallel:** SPP, EPP and ECP mode
- **Floppy:** 2 x floppy disk drives
- **K/B & Mouse:** PS/2 Keyb/Mouse on bracket, onboard AT keyboard port
- **Digital I/O:** 16-bit, 8 Digital In and 8 Digital Out

LAN

- **Chipset:** Realtek 8019AS
- **Type:** 10Mbps, NE2000 compatible
- **Connector:** RJ-45 with LEDs on bracket

Flash Disk

- *Dual DiskOnChip2000 socket or Dual Flash EPROM socket*

Display

- **Chipset:** TP 65081Q or compatible
- **Display Memory:** 1MB onboard
- **Display Type:** CRT and Flat Panel Mono/TFT/DSTN/EL
- **Resolution:** 800 x 600 up to 24bpp
- **LCD Interface:** TTL 24-bit

Mechanical and Environment

- **Power Requirement:** Single voltage +5 V @ 0.8 A (with 4MB DRAM and 1MB Flash disk installed)
- **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:** 0.24Kg (0.53 lb)

Ordering Information

EmCORE-i317DVL

Half-size 386SX-40 SBC with 4MB EDO RAM onboard, Flat Panel / CRT, 4 Serial ports and LAN

EmCORE-i317DV

Same as above without LAN

ISA Passive Backplane Series

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