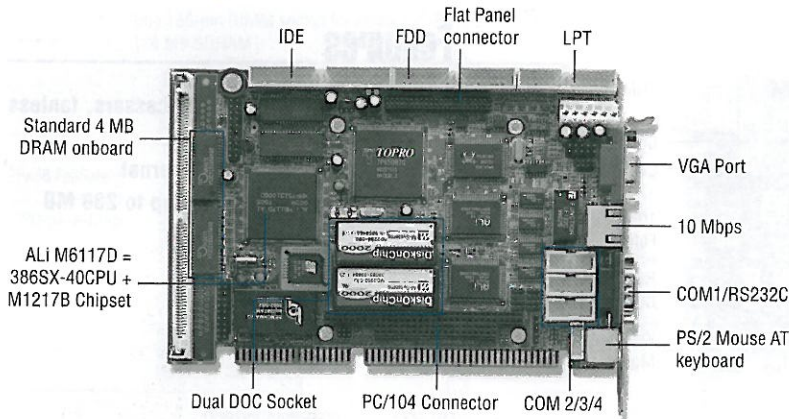


# EmCORE-i3356

## ISA 386SX Half-size SBC with SVGA/LCD & Fast LAN



### Features

- \* Onboard 40 MHz 386SX CPU
- \* Onboard VGA & LCD supported
- \* Supports DiskOnChip up to 288 MB

### Specifications

#### System

- **CPU + Chipset:** On-board 40 MHz 80386SX CPU embedded in Ali M6117
- **System Memory:** 4 MB EDO RAM onboard, EDO SIMM x1, Max. 20 MB
- **BIOS:** Award system BIOS
- **Expansion Interface:** ISA and PC/104 (speed 8.3 MHz)
- **Watchdog Timer:** Generates a system RESET or NMI

#### Multiple I/O

- **Serial:** 3 RS-232C ports (COM1/3/4), 1 RS-232C/485/422 port (COM2)
- **Parallel:** Supports SPP, EPP and ECP mode
- **Enhanced IDE:** Supports 1 port and up to 2 ATAPI devices, Ultra DMA transfer rates 33 MB/sec
- **Floppy:** Supports 2 floppy disk drives, 5¼" and 3½"
- **K/B & Mouse:** External PS/2 Keyboard/Mouse port, Onboard AT keyboard port
- **GPIO:** 16-bit GPIO

#### LAN

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

#### Display

- **Chipset:** TP 6508IQ or compatible
- **Display Memory:** 1 MB onboard
- **Display Type:** CRT and Flat Panel Mono/TFT/DSTN/EL
- **Resolution:** 800 x 600 @ 16 bpp
- **LCD Interface:** TTL

#### Flash Disk

- **Dual Chips FlashDisk** in 32-pin DIP JEDEC, up to 288 MB

#### Mechanical and Environmental

- **Power Requirement:** Single voltage +5 V @ 0.8 A (with 4 MB DRAM and 1 MB Flash disk installed)
- **Operating Temp.:** 0 ~ +60°C (32 ~ 140°F)
- **Relatively Humidity:** 90% rh under 55%
- **Board Size:** 185 x 122 mm (7.3" x 4.8")
- **Weight:** 0.24 Kg

### Ordering Information

#### EmCORE-i3356DV

386SX-40 Half-size SBC with Flat Panel Display Controller, Ethernet and, 4 Serial Ports and MB EDO RAM Onboard

#### ISA Passive Backplane Series

see 6-30

#### IEC-745A

Half size 4 slot Wallmount Chassis

see 6-27

#### MDOC-XXXX

DiskOnChip with Capacity Option: 16,24,32,48,72,144 MB)

see 12-2