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
- Support flat panel / CRT
- LAN 10 Mbps RTL 8019AS
- 4 serial ports
- 16-bit digital I/O programmable
- PC/104 connector

System

CPU + Chipset	ALi M6117C is an implementation of an Intel compatible 386SX-40 CPU a watchdog timer and ALi's M1217B chipset
Memory	4MB EDO memory onboard and 1 x 32Pin SIMM socket, up to 20MB EDO memory
BIOS	AMI system BIOS
ATA / IDE	1 x DMA 16, support 2 IDE drives
Watchdog Timer	Generates a system RESET or NMI; configurable from 30.5 μs to 512 seconds (in 30.5 μs segments)
Expansion Bus	1 x 16bit ISA-based PC/104 interface
Flash Disk	Dual Disk On Chip socket or dual Flash EPROM sockets

I/O

Serial Port	3 x RS-232 ports (COM1/3/4)
	1 x RS-232/485 port (COM2)
Parallel Port	SPP / EPP / ECP mode
Floppy	Support 2 floppy disk drives
KB/MS	1 x PS2 K/B and Mouse
Digital I/O	16bit Digital Input/Output

Ethernet

Chipset	Realtek 8019AS 10 base-T

Display

Graphics Chipset	TP 6508IQ or compatible up to 1MByte Video RAM on-die
Graphics Interface	CRT support up to 800 x 600
	LCD support 24bit TTL up to 800 x 600

Mechanical and Environmental

Power Consumption	EmCORE-i317
	+5V/0.8 A (Max.)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	185 x 122 mm (7.3" x 4.8")

Ordering Information

EmCORE-i317DVL	Half size ISA 386SX-40 SBC with Flat Panel / CRT and LAN
EmCORE-i317DV	Half size ISA 386SX-40 SBC with Flat Panel / CRT
ISA Passive Backplane series	Page 10-18
Haif size Wallmount Chassis for ISA Bus series	Page 10-6