

SBC-357/4M



Onboard ALi M6117C, Intel® 386SX-40 compatible CPU

Onboard three RS-232 and one RS-232/422/485 serial port

C&T 65545 CRT/LCD controller with 1MB display memory

Supports DiskOnChip® (SSD) up to 1 GB

PC/104 expansion connector

Optional Ethernet

The SBC-357 is an all-in-one single board 386SX computer with an on-board flat panel VGA/LCD controller. This board uses the CHIPS 65545 chipset with 1MB of video memory. This chipset, used with the on-board ISA-bus, enables 16-bit graphic throughput. Excellent for display-intensive applications, it supports various LCD types, including TFT, STN, B/W and EL. Another feature of the SBC-357 is the inclusion of an enhanced IDE controller. This controller supports LBA mode hard disks. Up to two IDE devices can be connected, including large hard disks, CD-ROM drives, tape backup drives or other IDE devices. On-board features include three high-speed RS-232 and one RS-232/422/485 high speed serial port with 16C550 UARTS, one bi-directional SPP/EPP/ECP parallel port and a floppy-drive controller. If program execution is halted by a program bug or EMI, the board's 16-stage watchdog timer can automatically reset the CPU or generate an interrupt. This ensures reliability in unmanned or standalone systems. The SBC-357 provides two 72-pin SIMM (Single In-Line Memory Module) sockets for it's on-board system DRAM. These sockets give you the flexibility to configure your system from 4MB to 32MB of DRAM using the most economical combination of SIMMS.

Specifications
SBC type.

EMC Single Board Computers

Processor

Processor:

ALi M6117C Intel 80386SX-40

Real Time Clock:

Processor Misc.:

Chipset: ALi M6117C

CPU type: Onboard SQFP

Memory

Primary Flash:

DiskOnChip 2000

Primary I/O

Disk Interface:

1x EIDE which supports 2x IDE Drives

2x FDD

Serial Ports:

1x Parallel SPP/EPP/ECP

3x RS-232

1x RS-232

Watchdog:

Primary I/O Misc.:

DMA Channels: 7 DMA channels

Interrupt Levels: 15 interrupt levels

Display

Chipset: C&T 65545

Display memory: Onboard 1MB display memory

Display type: Supports non-interlaced CRT/LCD (TFT, DSTN, B/W and EL) displays. Can display both CRT and Flat Panel simultaneously

Resolution: Up to 800 x 600 @ 256 colors

Secondary I/O

Keyboard:

Keypad:

PS/2:

Analog on

AUX:

D/A:

Dimensions

Dimensions:

7.3 × 4.8 in

Weight:

0.3 kg

Form Factor:

Half Size ISA Card

Power Requirements
Voltage:

5 V

Typical Current:

3 A

Typical Voltage:

5 V

Power Misc.:

Battery: Lithium battery for data retention

Power management: I/O peripheral devices support power saving and doze/standby/suspend modes. APM 1.1 compliant

Environmental

Pricing
SLC-33/4M

386 SBC W/ 4MB RAM, VGA/LCD, 4 COMS

\$0.00

Parent Product:

Source URL: <https://www.emacinc.com/content/sbc-3574m>