



# Tech Info Library

## Macintosh SE: Companies That Supply Option Card Products (8/94)

Revised: 8/8/94  
Security: Everyone

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Article Created: 1 February 1988  
Article Reviewed/Updated: 8 August 1994

TOPIC -----

The following companies produce option cards for the Macintosh SE expansion slot.

DISCUSSION -----

### Expansion Chassis

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ExpanSE -- from Second Wave, Inc. -- is an expansion chassis for the Macintosh SE. Its interface occupies the SE expansion slot, providing four slots. For more information on ExpanSE, search under: Second Wave, Inc.

### Option Cards

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The following companies have announced SE option card products for the Macintosh SE.

Please pay particular attention to the ADDRESS RANGES used by these SE option card products. To select a combination of four products to use in a Second Wave ExpanSE expansion chassis, choose products without overlapping address ranges. Products with switch-selectable addressing are the most flexible products to use in your chassis.

(NOTE: Information was not available for all products.)

Mac86: >800000->8FFFFFF  
- AST Research, Inc.

MacMainFrame SE: >800000->81FFFFF  
- Avatar Technologies, Inc.

MacIRMA: Switch-selectable addressing

- Digital Communications Associates (DCA)

Epic 2400SE: Switch-selectable addressing

- Epic Technology, Inc.

The Big Picture: >780000->799400

- E-Machines Inc.

HyperCharger 020

- General Computer Corporation

(NOTE: does not implement the Apple 68000 bus protocol completely, and will therefore not operate in ExpanSE)

Pro Board by Addon Computer Corp.

- IO Inc.

EtherPort SE: >800000->80FFFF

- Kinetics, Inc.

Turbo SE: Math co-processor: >500000->50FFFF

- MacMemory Incorporated

Orion Galaxy LS: >540000->57FFFF

- MacPeak Systems

MegaScreen SE: >540000->57FFFF

MegaScreen SE\*M: >5E0000->5FFFFFF

Math co-processor at >530000->530020

- MEGA Graphics Inc.

Micah Vision: >700000->87FFFF

- MICAH

Viking 1

- Moniterm Corporation

GPIOB-SE: >800000->8002FF, >500000->5000FF

- National Instruments

(NOTE: this card uses DMA.)

Stretch Screen

- Network Specialties, Inc.

(NOTE: does not use an SE option card)

MAC20

MAC20MX

- Novy Systems Inc.

Mac+PC

- PerfectTEK Corporation

Radius Accelerator: >680000->6FFFFFF, >800000->8FFFFFF, >C80000->CFFFFFF,  
>FA0000->FFFFFF

Radius Full Page & Two Page Display: >600000->67FFFF, >700000->7FFFFF,  
>C00000->C7FFFF, >F80000->F9FFFF

- Radius, Inc.

Inspector

- Seawell Microsystems

LaserView: >800000->8FFFFFF, >C00000->CFFFFFF

- Sigma Designs, Inc.

Analog Connection SE-12

Analog Connection SE-16

- Strawberry Tree Computers, Inc.

SuperView: Rev. C uses>A00000->AFFFFFF, Rev. E uses >C00000->C4008D &  
>F80000->FBFFFF, the 68881 uses >C80000->C9FFFF

- SuperMac Technology

Apple PC 5.25 Drive: >800000->8FFFFFF

- Apple Computer, Inc.

#### NOTE

The Apple card does not strictly adhere to the 68000 Bus Arbitration Protocol. This protocol requires that after a bus request has been made and granted, the requesting device should send back a 'bus grant acknowledge' -- something the Apple card does not do.

In the case of Second Wave's ExpanSE, this signal notifies the processor to turn the trancivers around and guarantee full communication. Without this signal, the trancivers are never turned and an error message is returned -- "Unable to Read Disk" -- as the communication is only in one direction.

To locate a vendor's address and phone numbers, use the vendor name as a search string.

Article Change History:

08 Aug 1994 - Removed Dove Computer from listing.

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Tech Info Library Article Number:2562