



# Apple MessagePad

Apple MessagePad 2000

Apple MessagePad 2100





Basics

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Apple MessagePad





## Overview

The Apple MessagePad 2000 and the Apple MessagePad 2100 are hand-held computers with built-in communications and expansion options. They are the first modular hand-held computers designed specifically for mobile communications to access the Internet, Intranet, and World Wide Web.

The Apple MessagePads are repaired through whole-unit exchange.





## Features

Features of the Apple MessagePad 2000 include the following:

- 162 MHz StrongARM SA-110 RISC processor
- 3 MB Read/Write memory space (1 MB DRAM; 2 MB FEPR0M) expandable to 8 MB (4 MB DRAM; 4 MB FEPR0M)
- 480x320 transreflective DFSTN LCD display with 0.26 mm dot pitch
- 16 levels gray scale
- Two Type II PCMCIA slots; 3.3 V and 5 V operation
- Backlight
- Universal AC/DC power adapter
- Rechargeable NiMH battery pack or four AA alkaline batteries
- 24 hours continuous operation with NiMH pack; 100 hours operation in Idle mode (display on, backlight off)





The Apple MessagePad 2100 shares the same features as the Apple MessagePad 2000 except it offers improved performance with 8 MB RAM (4 MB DRAM; 4 MB Flash RAM).





Specifications

Apple MessagePad





**Note:** Unless noted in the specifications subheading, product specifications are the same for both the Apple MessagePad 2000 and the Apple MessagePad 2100.





## Processor

### CPU

StrongARM SA-110 RISC processor  
162 MHz







## Memory

**Apple MessagePad  
2000 RAM**

4 MB

**Apple MessagePad  
2100 RAM**

8 MB

**ROM**

8 MB mask ROM





## I/O Interface

### **Serial**

One Newton InterConnect docking port supports serial I/O, audio I/O, and telephone I/O for networking and communications expansion

### **PCMCIA**

Two Type II slots: 3.3 V and 5 V operation





## Sound and Video

### **Speaker**

8 ohm

### **Video Display**

Transreflective LCD with EL backlight  
480 x 320 pixels





## Electrical

### **Main Batteries**

4 AA alkaline batteries or a rechargeable NiMH battery pack





## Physical

### **Dimensions**

Height: 210.3 mm (8.25 in)

Width: 118.7 mm (4.7 in)

Depth: 27.5 mm (1.25 in)

### **Weight**

Less than 1.8 lb with NiMH battery pack installed





## Environmental

### **Temperature**

Operating: 0 to 40°C (32 to 104°F)

Storage: -20 to 60°C (-3 to 140°F)

### **Relative Humidity**

5% to 95% noncondensing

### **Operating Altitude**

0-10,000 ft. (0 to 3048 m)





# Troubleshooting

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## Apple MessagePad





## General

The Symptom Charts included in this chapter will help you diagnose specific symptoms related to your product. Because cures are listed on the charts in the order of most likely solution, try the first cure first. Verify whether or not the product continues to exhibit the symptom. If the symptom persists, try the next cure.

For additional assistance, contact Apple Technical Support.







## Symptom Charts

### Resetting the Operating System

Erratic operation

On back of MessagePad 2000 or 2100, use a pen (not the stylus) to press the Reset button for two seconds. If MessagePad is on, it restarts. If MessagePad is off, it turns on.

**Important:** Check the time in Date and Time preferences. (The clock in MessagePad might lose some time whenever the Reset button is pressed.)





## Screen

Screen is too light or too dark

- 1 Adjust contrast.
- 2 Adjust viewing angle.
- 3 Adjust surrounding lighting:
  - If surrounding lighting too dark, turn on backlight
  - If surrounding lighting too light, turn off backlight
- 4 Check that surrounding temperature is within operating range. (Refer to Specifications chapter.)
- 5 Contact Apple Technical Support.





## Memory

“Out of Memory”  
message appears

- 1 Tap the display’s Restart button.
- 2 Contact Apple Technical Support.

## Power and Batteries

MessagePad will not  
turn on

- 1 If batteries have just been replaced, verify that + and - terminals are positioned properly.
- 2 If connected to power adapter, check that power outlet is working.
- 3 Adjust screen contrast.
- 4 Press Reset button on back of MessagePad (see the symptom “Resetting the Operating System”).
- 5 Contact Apple Technical Support.

