Apple Newton MessagePad
Apple Newton MessagePad, Apple Newton MessagePad 100, Apple Newton MessagePad 110, Apple Newton MessagePad 120, Apple Newton MessagePad 120 with Newton 2.0, Apple Newton MessagePad 130
General

There are five versions of the Apple Newton MessagePad personal digital assistants (PDAs). Each is repaired through whole-unit exchange.

**Apple Newton MessagePad/Apple Newton MessagePad 100**

The original Apple Newton MessagePad PDAs have a stylus mount along the right side of the unit and a PCMCIA slot at the top. There is no built-in cover.
Apple Newton MessagePad 110

The Apple Newton MessagePad 110 has an integrated “copier style” lid that flips back and fastens on the rear of the unit. The stylus for the 110 mounts into a slot that extends into the right side of the unit, and the PCMCIA slot is on the right side.

Apple Newton MessagePad 120

The memory system of the Apple Newton MessagePad 120 is a combination of FLASH and SRAM. Its “copier style” lid is removable.
Apple Newton MessagePad 120 with Newton 2.0 Operating System

In addition to the features offered in the original Apple Newton MessagePad 120, the MessagePad 120 with Newton 2.0 includes improvements in system software, bundled software for Pocket Quicken and eWorld, and a fax send and receive capability. The Newton keyboard is an option for the MessagePad 120 with Newton 2.0. (The keyboard is compatible only with Newton 2.0.)
Apple Newton MessagePad 130

The Apple Newton MessagePad 130 is physically identical to the MessagePad 120 except for its display. The MessagePad 130 employs a user-controllable backlit screen that is more durable and glare-free. In addition, it provides 1 MB of SRAM for enhanced communications capabilities and multitasking support, including support for Class II Fax.
Specifications
Apple Newton MessagePad
## Specifications

**Processor**

<table>
<thead>
<tr>
<th>CPU</th>
<th>ARM 610 microprocessor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>20 MHz</td>
</tr>
</tbody>
</table>
Memory

MessagePad/MessagePad 100 RAM
640K

MessagePad 110 RAM
1 MB

MessagePad 120 RAM
2 MB (1.5 MB FLASH, 0.5 MB SRAM)

MessagePad 130 RAM
2.5 MB (1.5 MB FLASH, 1 MB SRAM)
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Memory</th>
</tr>
</thead>
<tbody>
<tr>
<td>MessagePad 100/110/120 ROM</td>
<td>4 MB</td>
</tr>
<tr>
<td>MessagePad 130 ROM</td>
<td>8 MB (with 2.01 OS)</td>
</tr>
</tbody>
</table>
## I/O Interface

<table>
<thead>
<tr>
<th>Interface</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial</td>
<td>High-speed LocalTalk-compatible serial port with mini DIN-8 connectors</td>
</tr>
<tr>
<td>PCMCIA</td>
<td>PCMCIA type II slot with card ejection</td>
</tr>
</tbody>
</table>
Sound and Video

MessagePad 110/120/130 Speaker
- Capable (in many countries) of Dual Tone Multi-Frequency dialing and user alert sounds

MessagePad/MessagePad 100 Video Display
- Reflective, low-power LCD with fixed icon area
  - 336 x 240 pixels

MessagePad 110/120 Video Display
- Reflective LCD with fixed icon area
  - 320 x 240 pixels
  - 0.30 mm dot pitch

MessagePad 130 Video Display
- Transflective LCD with EL backlight
  - 320 x 240 pixels
## Electrical

<table>
<thead>
<tr>
<th>Model</th>
<th>Battery Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MessagePad/MessagePad 100 Main Batteries</strong></td>
<td>4 AAA alkaline batteries or rechargeable NiCad battery pack</td>
</tr>
<tr>
<td><strong>MessagePad 110/120/130 Main Batteries</strong></td>
<td>4 AA alkaline batteries or a rechargeable NiCad battery pack</td>
</tr>
<tr>
<td><strong>MessagePad/MessagePad 100 Backup Battery</strong></td>
<td>CR 2032 lithium</td>
</tr>
<tr>
<td>Specifications</td>
<td>Electrical - 7</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td><strong>MessagePad 110/120/130 Backup Battery</strong></td>
<td>DL 2032 lithium</td>
</tr>
</tbody>
</table>
Specifications

Physical

MessagePad/
MessagePad 100
Dimensions
Height: 184.75 mm
Width: 114.3 mm
Depth: 19.05 mm

MessagePad 110/
120/130 Dimensions
Height: 202 mm
Width: 106 mm
Depth: 31 mm

MessagePad/
MessagePad 100
Weight
.4 kg
<table>
<thead>
<tr>
<th>Specifications</th>
<th>Physical - 9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MessagePad 110/120/130 Weight</strong></td>
<td>.580 kg/1.28 lb. with batteries or battery pack</td>
</tr>
<tr>
<td></td>
<td>.475 kg/1.05 lb. without batteries or battery pack</td>
</tr>
</tbody>
</table>
## Environmental

<table>
<thead>
<tr>
<th>Specification</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>0–40°C</td>
</tr>
<tr>
<td>MessagePad/MessagePad 100 Storage</td>
<td>-20 to 60°C</td>
</tr>
<tr>
<td>MessagePad 110/120/130 Storage</td>
<td>-20 to 47°C</td>
</tr>
<tr>
<td>Specifications</td>
<td>Environmental - 11</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td><strong>MessagePad/ MessagePad 100</strong> Relative Humidity</td>
<td>20%–95% noncondensing</td>
</tr>
<tr>
<td><strong>MessagePad 110/120/130 Relative Humidity</strong></td>
<td>20%–90% noncondensing</td>
</tr>
<tr>
<td><strong>MessagePad 120/130 Operating Altitude</strong></td>
<td>0–10,000 ft.</td>
</tr>
</tbody>
</table>
Troubleshooting
Apple Newton MessagePad
General

If you require assistance, contact Apple Technical Support.
Power Manager Reset

To reset the power manager in the Apple Newton MessagePad,
1. Remove the rear panel.
2. Use the plastic stylus to press the reset switch.
3. Power on the unit by sliding the power switch down and letting it spring back.

Resetting the power manager does not erase the information in the MessagePad and it solves most problems.
Exploded View
Apple Newton MessagePad
Exploded View

- Power Adapter
- Batteries
- PCMCIA
- PDA Assembly