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Newton MessagePad 110: Description (10/94)

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TOPIC -----

This article describes the functions and capabilities of the Newton MessagePad 110.

DISCUSSION -----

MessagePad 110 Features

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New Industrial Design

The MessagePad 110 is a completely new industrial design - slightly longer and narrower than the original to accommodate a better grip. It includes a flip-top cover that folds out of the way when in use, and flips closed to protect the MessagePad's screen when the Newton is off or charging.

Memory

The MessagePad 110 memory has been expanded to 1MB with about 480K available for user storage. Users should expect to be able to store about 600 recognized notes, 750 names, 1500 appointments, and 100 notes in digital ink.

Battery Life

The MessagePad 110's design accommodates AA-type batteries, which increases the battery life to up to 50 hours of use when using alkaline batteries and up to 20 hours when using NICD batteries. The implementation of type AA batteries also brings the MessagePad 110 into a range of common electronic devices that use this battery size. With the optional MessagePad 110 Recharger, the Newton can recharge a battery pack in about two hours.

Screen and Stylus

The MessagePad 110's screen is 16 pixels shorter than the original MessagePad.

Software titles that were written to adjust to variable screen sizes should not experience any trouble when used on the MessagePad 110. Titles that do not adjust to variable screen sizes may not work properly with the MessagePad 110. A new, round stylus is also included which may make writing more comfortable for some users.

Manual and Video

A revised manual and video is included for all MessagePad 110 customers.

Improved Recognition Capabilities

The Newton Intelligence Operating System included in the MessagePad 110 ROM supports two new features which enhance handwriting recognition. An improved letter-by-letter recognition feature allows users to write words that are not in Newton's dictionary yet Newton will recognize them. Another new feature called deferred recognition allows users to take notes in digital ink and return to the note and recognize them later. Newton users now also have the option of adding the names, street names, and cities they enter into the Names application of Newton's dictionary.

Compatibility

The MessagePad 110 can share data with any other device based on Newton Intelligence, including the original MessagePad. Applications written for the Newton OS which adjust for variable screen sizes are compatible with the 110. Those that do not adjust for variable screen sizes may not work properly.

Technical Comparison

ASPECT	MessagePad 110	MessagePad 100
Power Supply	4 Type AA batteries	4 Type AAA batteries
Estimated Average Battery Life:		
• Alkaline batteries	40-50 hours	10-28 hours
• NICD batteries	15-20 hours	4-12 hours
Enclosure	Flip-open cover	Carrying case
RAM/User Space	1024K / 4800K	640K / 150K
Screen Size (pixels)	240 x 320	240 x 336
Pen	Telescopic round	Flat
Size	8" x 4" x 1.25"	7.25" x 4.5" x 0.75"

Weight 1.28 lbs 0.9 lbs
(with batteries)

Infrared Transfer Up to 38.4 Kbps Up to 38.4 Kbps
Rate (at one meter)

Ordering Information
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Newton MessagePad 110

Order No. H0060LL/A

- Newton MessagePad 110 personal digital assistant
- Telescoping stylus
- Batteries
- Complete setup, learning and reference documentation
- Limited warranty statement

Article Change History:

10 October 1994 - Updated and included more complete battery information

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