



# Tech Info Library

## Newton MessagePad 110: Specifications (12/94)

Revised: 12/14/94  
Security: Everyone

Newton MessagePad 110: Specifications (12/94)

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Article Created: 4 March 1994  
Article Reviewed/Updated: 14 December 1994

TOPIC -----

This article discusses the technical specifications of the Newton MessagePad 110.

DISCUSSION -----

### Newton Recognition Architecture

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- Recognizes handwriting: printed, cursive, or mixed-word recognition
- Recognizes writing letter-by-letter or word-by-word
- Recognizes graphics and the inherent symmetry in objects
- Allows deferred recognition; can store notes in handwritten for later recognition

### Newton Information Architecture

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- Object-oriented data storage optimized for storing, finding, and linking small pieces of information
- Easy creation of custom forms applications via the flexible graphical view Toolbox
- Easy data sharing using standard tags
- Object-oriented database provides flexible view of data

### Newton Communications Architecture

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- Provides single interface for all communication services
- Integrated to support easy communications with minimum setup requirements
- Designed in modules to support new communications capabilities

### Intelligent Assistance Architecture

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- Assists users in completing repetitive tasks done in multiple categories,

including communications, scheduling, finding, and reminding functions

- Contains smart defaults to reduce complexity
- Functions across applications transparently
- Allows extensions by third-party developers

#### Newton Hardware Architecture

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- ARM 610 processor at 20 MHz
- Apple custom system ASIC
- Low-power, reflective LCD display (336 x 240 pixels)
- Transparent tablet with round telescopic pen
- 4MB of ROM
- 1MB of RAM
- One PCMCIA Type 2 card slot
- LocalTalk-compatible serial port
- Low-power, half-duplex, infrared transceiver (up to 38.4 kilo bits per second (kbps) at 1 meter)
- Protective screen lid

#### Communications Capabilities

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- Print to Apple LaserWriters and StyleWriters with serial cable and to popular parallel printers using Newton Print Pack
- Fax with optional fax modem (9600 baud fax send, automatic cover-page generation, post-formatting)
- Send notes, name cards and appointments at up to 38.4 kbps within 1-meter (3.28 feet) using high-speed "beaming" via infrared technology
- Handle telephony needs with assistance for intelligent auto dialing (DTMF or modem dialing)
- Receive and store wireless messages using optional Messaging Card
- Use NewtonMail\* to exchange electronic mail with other Newton MessagePad users, as well as with Windows-based and Macintosh computer users with an optional modem

\* This service may not be available in all countries

#### Size and Weight

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- Height: 8 in. (202 mm)
- Width: 4 in. (106 mm)
- Depth: 1.25 in. (33 mm)
- Weight: 1.28 lb. (.59 kg)

#### Operating Environment

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- Temperature: 32 degrees to 104 degrees Fahrenheit (+0 to +40 degrees Celsius)
- Storage temperature: -4 to 117 degrees Fahrenheit (-20 to +60 degrees Celsius)
- Relative Humidity: 20 percent to 90 percent noncondensing

#### Power Requirements

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- Power adapter:

- Universal, 100 to 240 VAC, 50/60 Hz
- Four plug configurations: U.S., U.K., Europe, and Australia
- Battery type: alkaline or nickel-cadmium
  - Alkaline output: 6.0V DC, 1.1 WH (nominal)
  - Nickel-cadmium output: 6.0V DC, 800 mAh (nominal)
- Lithium cell: DL2032
- Operating range: 3 V (nominal)
- Power source: Four AA batteries (included), optional AC adapter, optional Rechargeable Nickel-cadmium Battery Pack

#### Connecting Kit System Requirements

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- Works with personal computers running Microsoft Windows 3.0 or later, using the Newton Connection Kit for Windows
- Works with Macintosh personal computers running system software version 7.1 or later, using the Newton Connection Kit for Macintosh

#### Printer Support

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- Built-in printer support for the Apple StyleWriter and StyleWriter II, Personal LaserWriter LS and Personal LaserWriter 300 printers, and Apple PostScript laser printers from the LaserWriter Plus and up
- Works with most popular PC printers, including the Hewlett-Packard LaserJet, Hewlett-Packard DeskJet, Canon BubbleJet, and Epson LQ and FX using the Newton Print Pack option

#### Fax Machine Support

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- Supports Group 3 fax machines

#### Article Change History:

14 Dec 1994 - Corrected the metric weight

09 Mar 1994 - Corrected power source to say four AA batteries, not AAA.

#### Support Information Services

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Tech Info Library Article Number:14760