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Apple MessagePad 120: Specifications (1/95)

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TOPIC -----

This article discusses the technical specifications of the Apple MessagePad 120.

DISCUSSION -----

Newton Intelligence

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- Newton Recognition Architecture
 - Recognizes handwriting-printed, cursive, or a mixture of the two--with the assistance of a 13,000-word, built-in word list
 - Lets you add up to 1,000 words
 - Recognizes writing letter by letter or word by word
 - Allows deferred recognition: can store notes in handwritten form for later recognition
 - Includes three pop-up keyboards: typewriter, numeric, and phonepad
 - Recognizes graphics and symmetrical objects

- Newton Communications Architecture
 - Provides single interface for all communication services
 - Supports easy communications with minimum setup requirements
 - Supports new communications capabilities through its modular design

- Intelligent Assistance Architecture
 - Helps users complete repetitive tasks in multiple categories, including communications, scheduling, finding, and reminding functions.
 - Contains smart defaults to reduce complexity
 - Works in and between applications
 - Supports extensions by third-party developers

- Newton Hardware Architecture
 - ARM 610 RISC processor at 20 MHz
 - Apple custom system ASIC
 - Low-power, reflective LCD display (320 by 240 pixels) 3.8-in. by 2.8-in. (9.6 cm by 7.2 cm)
 - Telescoping pen and crisp, transparent tablet
 - 4MB of ROM, upgradable

- 2MB of RAM version: 687K of system RAM; 1,361k of non-volatile user RAM
- 1MB of RAM version: 639K of system RAM; 385k of non-volatile user RAM
- One PCMCIA Type II card slot with 325 mA capacity
- LocalTalk and RS-232-compatible serial port
- Low-power, half-duplex, infrared transceiver works at up to 38.4 kbps within 3.28 feet (1 meter)
- Protective removable lid

Communications Capabilities

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- Capable of communication with a variety of serial, parallel, and network printers
- Receive and store wireless messages using optional messaging card*
- Communicate by e-mail or tap into on-line information services with optional modem card
- Send notes, name card, and appointments at up to 38.4 kbps within 3.28 feet (1 meter) using high-speed "beaming" using infrared technology
- Handle telephone needs with assistance for intelligent auto dialing (DTMF or modem dialing)*
- Fax with optional fax/modem (automatic cover-page generation, post-formatting)
- Using built-in NewtonMail with optional modem, exchange electronic mail with other NewtonMail or eWorld subscribers, as well as with subscribers of other on-line services

* Note: This service may not be available in all countries.

Size and Weight

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- Length: 8.0-in. (20.32 cm)
- Width: 4.0-in. (10.16 cm)
- Height: 1.2-in. (2.9 cm)
- Weight: 1.0-lb. (0.48kg) without batteries

Operating Environment

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- Temperature: 32 to 104 degrees F (0 to 40 degrees C)
- Storage temperature: -4 to 117 degrees F (-20 to 47 degrees C)
- Transit temperature: -4 to 149 degrees F (-20 to 65 degrees C) for up to 72 hours
- Relative humidity: 20% to 90% noncondensing

Power Requirements

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- Power adapter

- Universal, 100 to 240 volts AC, 50/60 Hz
- Four plug configurations: U.S., U.K., Europe, and Australia
- Battery Type: alkaline or NiCad Battery Pack
- Lithium cell: DL2032
 - Operating range: 3 volts (nominal)
- Built-in fast charger for optional NiCad Battery Pack
- Power sources: four AA batteries (included), optional Power Adapter, and optional Rechargeable NiCad Battery Pack

Computer Connectivity Requirements

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- Works with PC-compatible computers with 80386DX or better processors running Windows version 3.0 or later, using the Newton Connection Kit for Windows.
- Works with Macintosh computers with 68030 or better processors and 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 LaserWriter Plus (and other PostScript-equipped LaserWriter printers), the Personal LaserWriter LS, as well as the StyleWriter II printers
- Works with most popular PC printers including the Hewlett-Packard LaserJet II, DeskJet 500, Canon BubbleJet 10e, and Epson LQ and FX using the optional Newton Print Pack

Fax Machine Support

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- Supports Group 3 fax machines

Ordering Information

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- Apple MessagePad 120 2MB version
Order number: H0142LL/A
 - Apple MessagePad 120 personal digital assistant
 - Telescoping Pen
 - Batteries
 - Complete setup, learning, and reference documentation
 - Limited warranty
 - Newton External Fax Modem
 - Notion 1.1 software
- Apple MessagePad 120 1MB version
Order number: H0126LL/A
 - Apple MessagePad 120 personal digital assistant

- Telescoping Pen
- Batteries
- Complete setup, learning, and reference documentation
- Limited warranty
- Notion 1.1 software

Accessories

- The Apple MessagePad 120 is compatible with all accessories and software applications available for the Apple MessagePad 110.

Support Information Services

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