Apple MessagePad 2000: Technical Specifications (2/97)

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TOPIC ---

This article contains the Apple MessagePad 2000 technical specifications.

DISCUSSION --

Technical Specifications
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Newton Intelligence
Newton Recognition Architecture
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* Recognizes handwriting-printed, cursive, or a mixture of the two-with the
assistance of a 93,000-word, built-in word list

* Lets you add words to the built-in word list

* Includes four pop-up keyboards: typewriter, numeric, phone, and time/date

* Recognizes graphics and symmetrical objects

Newton Communications Architecture
----
* Provides built-in support for serial communications, external keyboard, PC
Card modems, sending and receiving faxes, and e-mail

* Provides a single interface for modular, object-oriented communications
services

* Supports new communications capabilities through its modular design

* Supports Group 3 and Class II fax machines

Intelligent Assistance Architecture
----
* Helps users complete repetitive tasks including communications, scheduling,
finding, and reminding

* Contains smart defaults that anticipate your needs, saving you time in entering data

* Integrates data from different built-in applications

* Supports third-party extensions

Newton Hardware Architecture
----

* StrongARM 110 RISC processor at 161.9 MHz
* Apple custom system chip set
* 5MB RAM (1MB of DRAM, 4MB of Flash RAM)
* 8MB of mask ROM
* Low-power, transflective 4.9 in. by 3.3 in. (129.8 mm by 83.2 mm) LCD display with EL backlight (480 by 320 pixels at 100 dpi, with 16-level grayscale)
* Nonglare resistive tablet and pen
* Two Type II PC Card slots
* Newton InterConnect external port supporting:
  - Serial RS-422-compatible serial connections or LocalTalk
  - Serial modem interface
  - Power in and out
  - Audio in and out (line level)
  - Autodock support
* One internal serial slot supporting:
  - Serial RS-422-compatible serial connections or LocalTalk
  - Serial modem interface
  - Serial keyboard (option)
  - Power in and out
  - Audio in and out (line level)
* Dual-mode infrared transceiver for wireless data transfer at up to 115 Kbits/s (IrDA mode) and 38.4 Kbits/s (ASK mode) within 3.28 ft. (1 m)
* Keyboard (included with some configurations)
* Built-in speaker
* Built-in microphone
* Fast charge for optional Newton Rechargeable Battery Pack that charges in 1 hour when not operating
* Optional external Newton 9W Power Adapter for unit operation or fast charging of Newton Rechargeable Battery Pack
* Protective removable screen lid
* Integral pen storage

Communications capabilities
----
* Communicates via e-mail or taps into online services and the Internet or an intranet with an optional wired or wireless modem card and included software

* Faxes using optional fax modem (automatic cover-page generation, post-formatting)

* Supports a variety of serial, parallel, IrDA, and network printers

* Receives and stores wireless messages and pages using optional messaging cards

* Beams notes, name cards, appointments, and packages using high-speed infrared technology

* Automatically dials phone calls with assistance from intelligent auto-dialing (DTMF or modem dialing)*

* Connects to cellular or GSM phones for wireless data and fax communications with optional PC Modem Card

Size and weight
===============
* Height: 1.1 in. (27.5 mm)
* Width: 4.7 in. (118.7 mm)
* Depth: 8.3 in. (210.3 mm)
* Weight: 1.4 lb. (0.64 kg) with alkaline batteries

Operating environment
=====================
* Temperature: 32° to 104° F (0° to 40° C)
* Storage temperature: –4° to 117° F (–20° to 60° C)
* Transit temperature: –4° to 149° F (–20° to 70° C) for up to 72 hours
* Relative humidity: 5% to 95% noncondensing

Power requirements
==================
* Power adapter
  - Universal, 100 to 240 V AC, 50/60 Hz
  - Four adapter plug configurations:
    U.S., U.K., Europe, and Australia
* Newton 9W Power Adapter (optional) uses 9W batteries
* Battery type: AA (LR6) alkaline or NiMH battery pack
* Built-in fast charger for optional NiMH battery pack
* Power sources: four AA alkaline batteries (included), optional Power Adapter, or optional NiMH Rechargeable battery pack

Computer connectivity requirements
==================================
* Works with PC-compatible computers with 80386DX or later processors (80486 recommended) running Windows 3.1 or later

* Works with Mac OS-based computers with 68030 or later processors and system software version 7.1 or later

Printer support

===============
* Offers built-in printer support for Apple LaserWriter Plus (and other
PostScript-equipped LaserWriter printers), Personal LaserWriter LS, and Personal
LaserWriter 300, as well as StyleWriter printers and Hewlett-Packard DeskWriter
printers

* Works with the Hewlett-Packard LaserJet 5MP and DeskJet 340 through IrDA

* Works with most popular PC printers including the Hewlett-Packard LaserJet II
and DeskJet 500; Canon BubbleJet 10e; and Epson LQ, Action, and FX printers
using the optional Newton Print Pack

Fax machine support
===================
* Supports Group 3 and Class II fax machines

Accessories
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* The MessagePad 2000 with Newton 2.1 operating system is compatible with most
accessories available for the MessagePad 130 with Newton 2.0 operating system.
Please see the MessagePad Accessories data sheet for detailed information.

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