



MessagePad 2100 with Newton 2.1 Operating System

Features

Included software

- Includes business software programs: word processor, Internet e-mail client, World Wide Web browser, and spreadsheet
- Allows freeform notes, outlines, lists, and phone logs via digital ink or handwriting recognition
- Helps you plan activities using the calendar, and manage priorities using the To Do List
- Includes name and address files

Built-in communications

- Includes Internet and intranet access capabilities via Ethernet, LocalTalk or modem
- Imports and exports data, installs software, and backs up files with your personal computer using the included Newton Connection Utilities (see Connection requirements)
- Can send and receive faxes and electronic mail using an optional wired or wireless modem
- Prints formatted letters and notes using Apple printers, IrDA printers, and serial printers (see Connection requirements)
- Lets you beam notes, messages, packages, schedules, and business cards via built-in infrared communications

Expandable functions

- Contains two slots for PC Card peripherals such as cellular, radio, or landline modems
- Includes a serial port for connecting to personal computers, printers, the Newton Keyboard, or external modems
- Supports a variety of third-party productivity, finance, time and billing, and information management software

Connection requirements

- To a Windows or Mac OS-based computer: Newton Serial Adapter, Newton Serial Cable for Windows or Mac OS-based computers
- To a Newton Keyboard: Newton Serial Adapter
- To serial printers: Newton Serial Cable, Newton Serial Cable for Windows or Mac OS-based computers
- To the Internet: optional LAN adapter or modem, may require Internet service provider

Now with the Apple MessagePad 2100 handheld computer, you no longer have to carry a heavy laptop around to keep up with your e-mail or pull information from your corporate web site.

That's because this small wonder weighs under a pound and a half, yet puts the core business applications you need—e-mail client, web browser, word processor, spreadsheet, date book, contacts, and to-do lists—at your fingertips when you're away from your desk. Its 4 megabytes of Flash memory allow you to store more names and data, create more documents, crunch more numbers, receive more e-mail, and add more applications. You can also expand the Flash memory using optional PC Cards.

And now, with its 4 megabytes of system memory, the MessagePad 2100 provides better performance when using communications and Internet solutions, including multi-tasking. Slip a modem into one of its two PC Card slots, and you can send and receive e-mail and faxes, and connect to the Internet or an intranet.

You can even pair the MessagePad 2100 with your cellular phone or wireless modem, and connect from virtually anywhere.

The software allows Internet/intranet access via modem or an Ethernet or LocalTalk local area network.

In terms of speed, the StrongARM processor in the MessagePad 2100 allows it to run incredibly fast compared to other handheld computers.

The large backlit screen displays sharp graphics in 16 levels of gray at 100 dots per inch.

And the internal microphone and speaker allow you to record and play back voice notes.

The MessagePad 2100 includes Newton Connection Utilities for your Windows or Mac OS-based computers. It lets you synchronize as well as import and export data for use with most popular personal computer software programs, and make backups.

Probably the best news for busy professionals on the move is that the MessagePad 2100 delivers up to 24 hours of battery life for those long flights and extended business trips.

No matter where or how you're traveling, the MessagePad 2100 is the smart choice for staying connected, and for putting critical information at your fingertips when you need it.



MessagePad 2100 (Newton Keyboard and Newton Serial Adapter not included).



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Ordering Information

MessagePad 2100 8MB of ROM, 8MB of RAM (4MB of DRAM, 4MB of Flash RAM)

Order No. H0244Z/A

- MessagePad 2100 handheld computer with Newton 2.1 operating system
- MessagePad 2100 pen
- Four AA alkaline batteries
- Newton Connection Utilities software for Windows or Mac OS-based computers (requires Newton Serial Adapter, Newton Serial Cable for Windows or Mac OS-based computers, and a CD-ROM drive)
- Productivity software preinstalled or on CD-ROM including a word processor, Internet, e-mail client, web browser, spreadsheet, names, dates, and notes; and complete setup and reference documentation
- Limited warranty

Accessories

Please see the *MessagePad Accessories* data sheet for detailed information.

Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.

Technical Specifications

Newton Intelligence

Newton Recognition Architecture

- 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
- Supports Internet and intranet protocols
- Supports Ethernet or LocalTalk LAN connections
- 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 SA-110 RISC processor at 162 MHz
- Newton custom system chip set—ASIC
- 8MB of RAM (4MB of DRAM, 4MB of Flash RAM)
- 8MB of mask ROM
- Low-power, transreflective 4.9-in. by 3.3-in. (129.8-mm by 83.2-mm) liquid crystal display (480 by 320 pixels at 100 dpi, with 16-level gray scale and EL backlight)
- Nonglare resistive tablet and full-size pen
- Two Type II PC Card slots (3 V and 5 V cards)
- Newton InterConnect external port supporting serial connections or LocalTalk, serial modem interface, power in and out, audio in and out (line level), autodock (requires Newton Serial Adapter)
- One internal serial slot supporting 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)
- Built-in speaker
- Built-in microphone
- Fast charge for optional Newton Rechargeable Battery Pack that charges in 1 hour when in sleep mode
- Optional external Newton 9W Power Adapter for unit operation or fast charging of Newton Rechargeable NiMH Battery Pack
- Protective removable screen lid
- Integral pen storage

Communications capabilities

- Communicates via e-mail or taps into 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 serial, 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

Power requirements

- Newton 9W Power Adapter (optional)
—Universal, 100 to 240 V AC, 50/60 Hz
—Three adapter plugs: U.K., Europe, and Australia
- Built-in fast charger for optional NiMH battery pack
- Power sources: four AA (LR6) alkaline batteries (included), optional Newton 9W Power Adapter, or optional Newton Rechargeable Battery Pack

Computer connectivity requirements

- Works with PC-compatible computers with 80486 or later processors running Windows 3.1 or later; at least 8MB of RAM
- Works with Mac OS-based computers with 68030 or later processors and system software version 7.1 or later; at least 8MB of RAM with 4MB available (12MB recommended for a PowerPC processor-based computer, requires Newton Serial Adapter and Newton Serial Cable for Windows or Mac OS-based computers)
- Requires CD-ROM drive for accessing electronic documentation and software

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 (requires Newton Serial Adapter and Serial Cable)
- Works with the Hewlett-Packard LaserJet 6MP and DeskJet 340 through IrDA

Fax machine support

- Supports Group 3 and Class II fax machines

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)
- Transit temperature: -13° to 140° F (-25° to 60° C) for up to 48 hours, 5% to 95% noncondensing relative humidity

*This service may not be available in all countries.

Apple Computer, Inc.
1 Infinite Loop
Cupertino, CA 95014
(408) 996-1010
www.apple.com

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