



# MessagePad 2000 with Newton 2.1 Operating System

Now, with the Apple MessagePad 2000 handheld computer, you don't have to lug a heavy laptop around any more.

That's because this small wonder weighs around 600g, yet puts all the business applications you need—word processor, spreadsheet, datebook, contacts and to-do lists—at your fingertips.

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 2000 with your cellular phone or wireless modem and connect from virtually anywhere.

In terms of speed, the new StrongARM processor in the MessagePad 2000 allows it to run up to 10 times faster than any previous model. It also includes more memory.

The backlit screen—larger than that of any other MessagePad—

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 2000 includes all the cables and software you need to connect to your Mac OS— or Windows software—based computer. It lets you import and export data for use with most popular personal computer software programs and make backups.

But probably the best news for busy professionals on the move is that the MessagePad 2000 can deliver over 24 hours of continuous battery life.

So no matter where or how you're traveling, the MessagePad 2000 is the smart choice for staying connected and for putting critical information at your fingertips when you need it.

## Features

### Built-in functions

- Includes business software programs: word processor, e-mail, World Wide Web browser and spreadsheet
- Allows freeform notes, outlines, lists and phone logs
- Helps you plan activities using the calendar and manage priorities using the To Do List
- Includes customisable name and address files
- Offers productivity tools such as time-zone maps, a calculator and currency exchange

### Built-in communications

- Includes Internet access through TCP/IP, PPP, SLIP, PAP and CHAP protocols, and World Wide Web browser
- Imports and exports data, installs software and backs up files with your personal computer using the included Newton Connection Utilities
- 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 or parallel printers with the optional Print Pack
- Lets you "beam" notes, messages, packages, schedules and business cards via built-in infrared communications
- Assists you in making phone calls, finding information, and sending and receiving e-mail and faxes

### Expandable functions

- Contains two slots for PC Card peripherals such as modems, pagers, wireless communicators and storage cards
- 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 & billing and information management software



MessagePad 2000 shown here with the optional Newton Keyboard



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## What's included

### MessagePad 2000 (8MB ROM, 5MB RAM)

Order No. H0136Z/A

- MessagePad 2000 handheld computer with Newton 2.1 operating system
- MessagePad 2000 pen
- Four AA alkaline batteries
- Newton Connection Utilities software for Mac OS— and Windows software—based computers
- Serial cables for Mac OS— and Windows software—based computers
- Newton Serial Adapter
- Complete setup, learning, and reference documentation
- Limited warranty

### Accessories

- 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.

Product specifications are subject to change. Please check with your authorised Apple reseller for current specifications, configurations, accessories and prices.

Call 1-800 025 355 for the name of your nearest authorised Apple reseller.

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## Technical Specifications

### Newton Intelligence

#### Newton Recognition Architecture

- Recognises 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
- Recognises 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 SA-110 RISC processor at 161.9 MHz
- Newton custom system chip set
- 5MB RAM (1MB of DRAM, 4MB of Flash RAM)
- 8MB of mask ROM
- Low-power, transreflective 130-mm by 83-mm (4.9-in. by 3.3-in.) LCD display with EL backlight (480 by 320 pixels at 100 dpi, with 16-level gray scale)
- 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 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 1m (3.28 ft.)
- Keyboard (optional)
- Built-in speaker
- Built-in microphone
- Fast charge for optional Newton Rechargeable Battery Pack that charges in one 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 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 (modem dialing)
- Connects to cellular or GSM phones for wireless data and fax communications with optional PC Modem Card

## Size and weight

- Height: 27.5 mm (1.1 in.)
- Width: 118.7 mm (4.7 in.)
- Depth: 210.3 mm (8.3 in.)
- Weight: 640 g (1.4 lb.) with alkaline batteries

## Operating environment

- Temperature: 0° to 40° C (32° to 104° F)
- Storage temperature: -20° to 60° C (-4° to 140° F)
- Transit temperature: -20° to 70° C (-4° to 158° F) for up to 72 hours
- Relative humidity: 5% to 95% noncondensing

## Power requirements

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