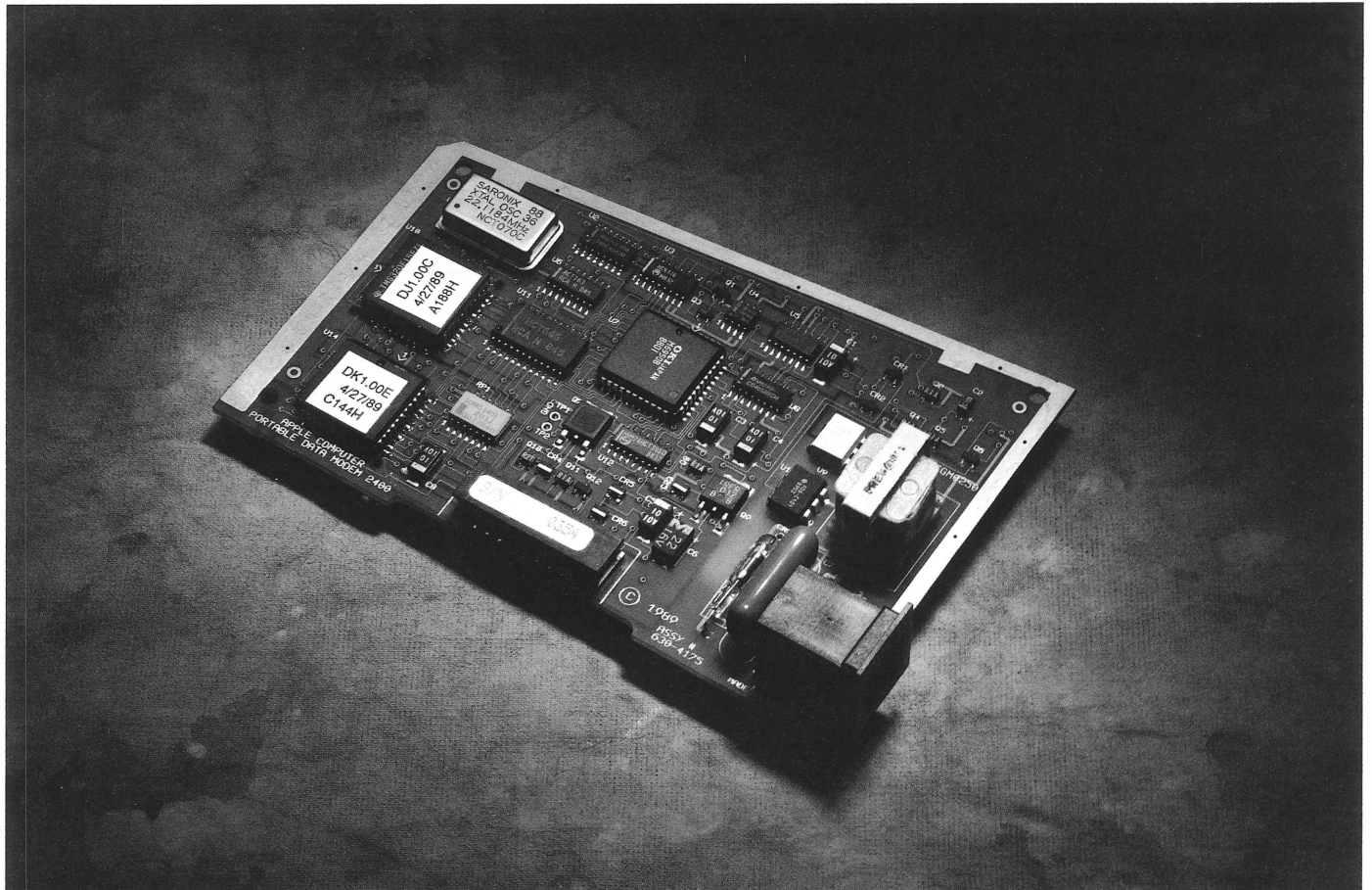# Macintosh Portable Data Modem 2400

Overview

The Apple® Macintosh® Portable Data Modem 2400 allows users of the Macintosh Portable computer to communicate with other personal computers, minicomputers, and mainframes in order to access and exchange information.

A standard asynchronous 2400-bps modem, the Macintosh Portable Data Modem 2400 can communicate with any standard data modem operating at 2400, 1200, or 300 bps.

Its unique low-power design preserves the battery power of the Macintosh Portable computer. And it can operate unattended; the modem is designed so users can receive files even when they are away from the computer.

Features

▶ Industry-standard modulation techniques: Bell 103, Bell 212A, CCITT V.22, CCITT V.22bis

▶ Automatic "wake up" feature

▶ Low-power design

▶ Auto dial and auto/manual answer

▶ Supports a subset of the AT command set

Benefits

▶ Lets you communicate with any computer that uses a standard data modem.

▶ Lets you receive files when away from the Macintosh Portable computer.

▶ Preserves the battery power of the Macintosh Portable computer.

▶ Saves time and effort by permitting unattended operation.

▶ Lets you control your modem through the use of direct modem commands.

System Requirements

To use the Macintosh Portable Data Modem 2400, you'll need the following:

- ▶ Macintosh Portable computer
- ▶ A standard single-line RJ-11 modular telephone jack

- ▶ Appropriate communications software, such as MacTerminal® (Consult your authorized Apple dealer for assistance in selecting the most appropriate application for your needs.)

Technical Specifications

Communications standards
- ▶ 300 bps Bell 103
- ▶ 1200 bps Bell 212A
- ▶ 1200 bps CCITT V.22
- ▶ 2400 bps CCITT V.22bis

Transmission speeds
- ▶ 2400 bps, 1200 bps, 300 bps

Dialing capability
- ▶ Tone/Pulse (dial)

Data format
- ▶ Protocol: serial binary, asynchronous
- ▶ Character length:
—7 data bits; 1 or 2 stop bits
—8 data bits; 1 stop bit
- ▶ Parity: Odd, even, mark, space, no parity
- ▶ Mode: Full duplex

Command set
- ▶ Supports a subset of the AT command set

Receiver dynamic range
- ▶ -10dBm to -43dBm

Transmitter level
- ▶ -10dBm (± 1dBm)

Automatic adaptive equalization on receiver channel
- ▶ 3dBm improvement on SNR

Frequency tolerance
- ▶ ± 7 Hz

Operating modes
- ▶ Auto dial
- ▶ Auto or manual answer

Registration/Certification
- ▶ FCC Part 68
- ▶ Canadian DOC

Environmental requirements
- ▶ Ambient temperature: 50° to 122° F (10° to 50° C)

Electrical requirements
- ▶ + 5.2V/-5V, ±5% supplied by Macintosh Portable rechargeable battery
- ▶ Power consumption:
—Operational mode: 750 milliwatt maximum, 525 milliwatt typical
—Macintosh Portable sleep mode: 3 milliwatt maximum

Size and weight
- ▶ Height: .75 in. (1.9 cm)
- ▶ Width: 3 in. (7.62 cm)
- ▶ Depth: 4.875 in. (12.38 cm)
- ▶ Weight: 4 oz. (.114 g)

Ordering Information

Macintosh Portable Data Modem 2400

Order No. M0250

With your order, you'll receive:
- ▶ Macintosh Portable Data Modem 2400
- ▶ Telephone cord with RJ-11 plug
- ▶ Owner's guide
- ▶ Limited warranty statement

Apple Computer, Inc.

20525 Mariani Avenue
Cupertino, CA 95014
(408) 996-1010
TLX: 171-576