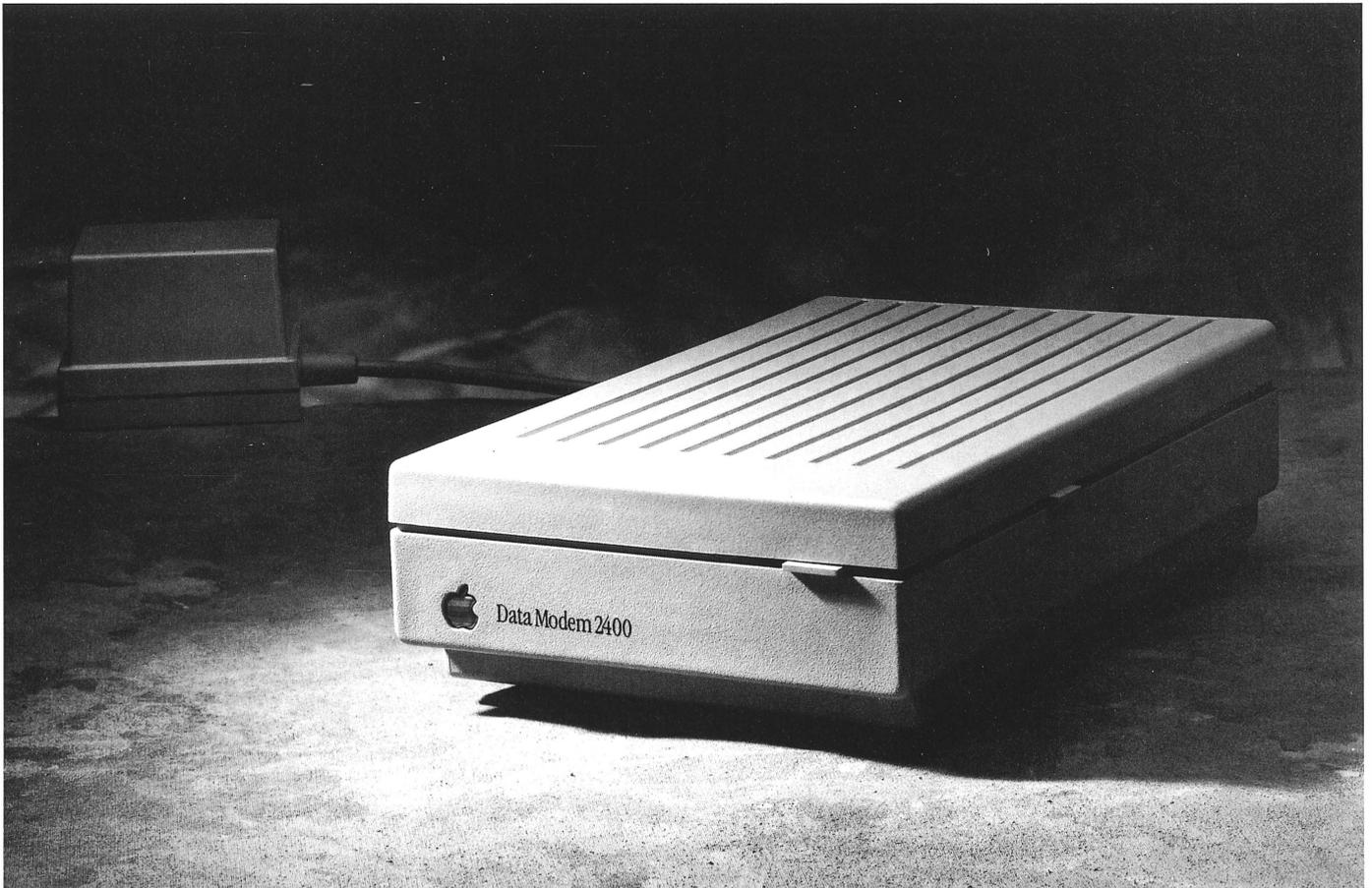


Apple Data Modem 2400



Overview

The Apple® Data Modem 2400 is a standard asynchronous 2400-bps modem that enables users to exchange information with other standard data modems. It can be used to communicate with other personal computers, mini-computers, and mainframes to send reports and graphs between offices; to access databases and

commercial information services; to find out the latest stock prices; or even to shop and bank from home.

The Apple Data Modem 2400 comes with a built-in feature called the Microcom Networking Protocol (MNP) Classes 1-4, which automatically corrects errors that occur while exchang-

ing information over the public telephone system. Its MNP capability allows the Apple Data Modem 2400 to provide fast and accurate data transmission, even over noisy or low-quality telephone lines, when communicating with another MNP-compatible modem.

Features

Benefits

▶ Standard modulation techniques:
Bell 103, Bell 212A, CCITT V.22A/B,
CCITT V.22bis

▶ Connects to any standard data modem.

▶ Error-correction protocol support:
MNP Classes 1–4

▶ Guarantees error-free transmission when
communicating with another MNP modem.

▶ Variable transmission speeds

▶ Automatically attempts to connect across
a range of speeds—starting at 2400 bps,
then moving to 1200 bps, and finally, to
300 bps.

▶ Supports Hayes AT command set with
Microcom standard commands for control-
ling and customizing MNP

▶ Allows users to customize the perfor-
mance of the modem.

▶ Speaker for monitoring call progress

▶ Allows the user to hear the dialing
process and monitor the success or failure
of the remote modem connection.

▶ Auto answer and dial

▶ Saves time and effort.

▶ Pass-through port

▶ Provides an expansion port for the
connection of an additional serial device
(such as a printer).

System Requirements

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

- ▶ Any Macintosh® or Apple II computer (If you have an Apple II, Apple II Plus, or Apple IIe, you will also need an Apple Super Serial Card or other compatible serial interface.)

- ▶ The appropriate data cable to connect your modem to your Apple computer system
- ▶ A standard single-line RJ-11 modular telephone jack
- ▶ Appropriate communications software, such as MacTerminal® for Macintosh

systems or Access II for Apple II systems (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.22A/B
- ▶ 2400 bps CCITT V.22bis

Error control

- ▶ MNP Classes 1-4

Transmission speeds

- ▶ 2400 bps, 1200 bps, 300 bps

Dialing capability

- ▶ Tone/Pulse (dial)

Maximum serial speed

- ▶ 9600 bps (modem to computer)

Standard serial interface

- ▶ RS-422

Data format

- ▶ Protocol: Serial binary, asynchronous
- ▶ Character length: 7 or 8 bits; 1 or 2 stop bits
- ▶ Parity: Odd, even, no parity
- ▶ Mode: Full duplex

Command set

- ▶ Supports Hayes AT command set with Microcom standard commands for controlling and customizing MNP

Receiver dynamic range

- ▶ -10 dBm to -42 dBm

Transmitter level

- ▶ -10 dBm + 1 dBm

Registration/Certification

- ▶ FCC Parts 68 and 15J
- ▶ Canadian DOC

Frequency tolerance

- ▶ ± 7 Hz

Bit error rate

- ▶ Less than 1 in 10^6 on a 3002C line

Line monitoring

- ▶ Internal speaker with external volume control provided for monitoring call progress

Operating modes

- ▶ Auto or manual dial
- ▶ Auto or manual answer

Environmental requirements

- ▶ Temperature: 32° to 104° F (0° to 40° C)

Electrical requirements

- ▶ AC input (United States and Canada) 110V $\pm 10\%$, 60 Hz
- ▶ Power consumption: 7 watts maximum

Size and weight

- ▶ Height: 2 in. (5.1 cm)
- ▶ Width: 4.75 in. (11.6 cm)
- ▶ Depth: 8 in. (20.0 cm)
- ▶ Weight: ~1 lb. (.45 kg) excluding transformer



Apple Data Modem 2400

Ordering Information

Apple Data Modem 2400

Order No. C0002LL/A

With your order, you'll receive:

- ▶ Apple Data Modem 2400
- ▶ Telephone cord with RJ-11 plug
- ▶ AC adapter (power supply)
- ▶ Owner's guide
- ▶ Limited warranty statement

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You will need to purchase appropriate communications software (consult your authorized Apple dealer) and one of the following:

Apple System/Peripheral-8 Cable (for the Macintosh family of personal computers (except the Macintosh 512K), and the Apple IIGs® and Apple IIc Plus computers)

Order No. M0197

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Macintosh Peripheral-8 Cable (for Macintosh 512K computers)

Order No. M0196

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Apple IIc Peripheral-8 Cable (for Apple IIc computers)

Order No. A2C4313

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Apple IIe Modem-8 Cable (for Apple II, Apple II Plus, and Apple IIe computers, including those that have had the Apple IIGs upgrade)

Order No. A2C0312