



Tech Info Library

Apple Data Modem Int'l XP 2400 Modem: Specs (Discontinued)

Revised: 9/13/93
Security: Everyone

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I. Technical Specifications

A. Regulatory

1. Refer to the modem for specific European registration information.

B. Data Format

1. Protocol: Asynchronous
2. Character Length
 - a. 7 data bits
 - 1) Stop bits: 1 or 2
 - 2) Parity: Odd, even, fixed: mark/space
 - b. 7 data bits
 - 1) Stop bits: 2
 - 2) No parity
 - c. 8 data bits
 - 1) Stop bits: 1 or 2
 - 2) No parity
3. Mode: Full duplex

C. Compatibility

1. Subset of Hayes AT modem command set

D. Error Correction (optional)

1. Microcom Network Protocol (MNP) Classes 4 through 5
Added via daughterboard to modem card

E. Transmission Speeds

1. For all speeds
 - a. Tolerance in character asynchronous format (DTE data rate)
 - 1) +1.0%
 - 2) -2.5%
 - b. Tolerance in modulation rate
 - 1) +/- 0.01%

2. 2400 bits per second (bps)
 - a. Standard: V.22bis
 - b. Modulation: Quadrature Amplitude Modulation (QAM)
3. 1200/75 bits per second (bps)
 - a. Standard: V.23
 - b. Modulation: Frequency shift keying (FSK)
4. 1200 bits per second (bps)
 - a. Standard: V.22A/B, Bell 212A
 - b. Modulation: Differential phase-shift keying (DPSK)
5. 300 bits per second (bps)
 - a. Standard: Bell 103
 - b. Modulation: Frequency shift keying (FSK)

F. Operating Modes

1. Auto or manual dial (including redial)
 - a. Tone: DTMF (Dual-Tone Multi-Frequency--"Touch Tone")
 - 1) Frequency tolerance: +/- 1/0%
 - 2) Tone balance: Within 3dB
 - b. Pulse (Rotary)
 - 1) Dialing duty cycle: see specific modem for mark/break ratio
 - 2) Dialing rate: 10 pps
2. Auto or manual answer

G. Receiver Dynamic Range

1. -10 to -43 dBm, full duplex

H. Transmitter Level

1. Refer to the modem for specific registration information.

I. Command Buffer

1. 40 characters

J. Computer interface

1. 18-pin dual-in-line female connector

K. Power Requirement

1. DC input
 - a. +5.2V +/- 5%
 - b. -5.0V +/- 5%

L. Power Consumption

1. 800 mW maximum

II. System Configuration

A. Computer

1. Macintosh Portable

B. Modem Configuration

1. Universal internal modem card
2. External country specific Data Access Arrangement (DAA) module.

It plugs into the internal card via an attached Mini-DIN 8 cable.

C. Country specific phone cable appropriate for DAA

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