



Tech Info Library

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

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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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