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GeoPort Telecom Adapter: Specifications (10/94)

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TOPIC -----

This article gives the technical specifications of the GeoPort Telecom Adapter used with the Macintosh Centris 660AV and Quadra 840AV and Power Macintosh computers.

DISCUSSION -----

Overview

The GeoPort Telecom Adapter gives you access to one of your Macintosh Quadra 660AV, Quadra 840AV, and Power Macintosh family built-in features: a 14.4 kbps (kilo bits per second) modem with fax send and receive capabilities.

The GeoPort Telecom Adapter serves as a line interface to standard (analog) telephone lines, and combined with the Quadra 660AV and Quadra 840's on-board DSP, (Digital Signal Processor) it is capable of sending or receiving data at up to 14.4 kbps and faxes at up to 9600 bps (bits per second) utilizing the bundled Apple Express Modem/Fax software. The DSP is part of the PowerPC chip itself.

The Apple Express Modem and Express Fax Software is included with the GeoPort Telecom Adapter, supports the same interfaces currently used in conjunction with the PowerBook Express modems. The data/fax transmission standards supported by the GeoPort architecture are listed below.

Data/Fax Transmission Standards Supported*

- Command Set
 - Extended Hayes AT command set

- Data communications standards
 - 14400 CCITT V.32 bis
 - 9600, 4800 bps CCITT V.32
 - 2400 bps CCITT V.22 bis
 - 1200 bps Bell 212A
 - 1200 bps CCITT V.22
 - 300 bps CCITT V.21
 - 300 bps Bell 103

- Group 3 Fax communications standards
 - 2400, 4800 bps CCITT V.27 ter
 - 7200, 9600 bps CCITT V.29
 - Error control
 - Full CCITT V.42 compliance
 - MNP Classes 2-4
 - Data compression
 - CCITT V.42 bis (up to 4:1 compression)
 - MNP Class 5 (up to 2:1 compression)
- * These standards are supported by the GeoPort architecture built into the Macintosh Quadra 660AV, Quadra 840AV, and Power Macintosh.

Software Supported*

Express Modem Software
Express Fax Software

* The Express Modem and Fax software is included with the GeoPort Telecom Adapter

Electrical Requirements

- Operating voltage: 5 Volts, plus or minus 5 percent at less than or equal to 500 milliamps.
- The adapter is powered using the GeoPort/Modem port, via an extra pin. No separate power supply or battery is required.

Size

- Height: 1.57 inches (4 cm)
- Width: 2.8 inches (7.1 cm)
- Length: 5.6 inches (14.3 cm)

Operating Environment

- Operating temperature: 50 degrees to 104 degrees F (10 degrees to 40 degrees C)
- Storage temperature: -40 degrees to 149 degrees F (-40 degrees to 65 degrees C)
- Relative humidity: 20% to 90% noncondensing at a temperature range of 77 degrees to 104 degrees F (25 degrees to 40 degrees C)
- Maximum altitude: 7703 ft. (2135 m)

What's in the box:

- GeoPort Telecom Adapter
- Getting Started With Your GeoPort Telecom Adapter manual
- Express Fax/Modem User's Guide
- Telephone cord
- Floppy disk containing the Express Modem/Fax software

Ordering Information:

M1694LL/B - GeoPort Telecom Adapter for Quadra 660 AV and Quadra 840 AV.
M3127LL/A - GeoPort Telecom Adapter for Power Macintosh and International Use.

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