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Apple Ethernet LC Card: Specifications

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TOPIC -----

This article gives technical specifications for the Apple Ethernet LC Card.

DISCUSSION -----

The Apple Ethernet LC Card provides physical and link level access to data communications networks meeting IEEE 802.3 and 802.2 Logical Link Control (LLC) type 1 standards.

Connector

- Apple Ethernet

Transmit/Receive Data Rate

- 10-megabits-per-second maximum data rate

Power Dissipation

- < 4 watts

Environmental Requirements

- Operating temperature
50 to 104 degrees F (10 to 40 C)
- Humidity
20% to 95% noncondensing at a temperature range of 25 to 40 degrees C

Ethernet Controller

- National Semiconductor DP83932 (SONIC)

System Requirements

- Macintosh LC
In addition to the Apple Ethernet LC Card and accompanying software, the

following are required to connect a Macintosh LC personal computer to an Ethernet network:

- The Macintosh Operating System.
 - If you're using AppleTalk network services, the network must use AppleTalk Phase 2 protocols.
 - An Apple Ethernet Cable System external transceiver or AUI adapter.
- Apple Ethernet Thin Coax Transceiver
The Apple Ethernet Thin Coax Transceiver provides plug-and-play networking in a high-performance Ethernet environment. The Ethernet LC Card, the Apple Ethernet Thin Coax Transceiver, and the 2-meter segment of thin coaxial cable included with the Transceiver are all you need to connect a Macintosh LC computer to an Ethernet network. You need no terminators or other Ethernet hardware.

The Apple Ethernet Self-Terminating Cable -- 5 Meter and Apple Ethernet Self-Terminating Cable -- 13-Meter Plenum, or other RG 58 A/U thin coaxial cable, can be used to connect devices that are more than 2 meters apart.

- Apple Ethernet Twisted-Pair Transceiver The Apple Ethernet Twisted-Pair Transceiver is used to connect the Ethernet LC Card to an Ethernet network using unshielded twisted-pair cable.

To use Ethernet with unshielded twisted-pair media, you need an IEEE 802.3 10BASE-T-compatible hub, sold separately from third-party vendors.

- Apple Ethernet AUI Adapter
The Apple Ethernet AUI Adapter provides the Ethernet LC Card with a standard IEEE 802.3 Attachment Unit Interface (AUI). The AUI can be used to connect the Ethernet LC Card to an external transceiver.
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