Tech Info Library

Apple Ethernet LC Card: Specifications

```
Revised:        6/26/92
Security:       Everyone
```

Apple Ethernet LC Card: Specifications

==

Article Created: 26 May 1992
Article Last Reviewed:
Article Last Updated:

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.

Tech Info Library Article Number:10273