

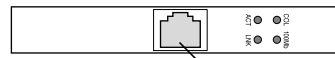


Update: About the Optional 10/100Base-T Ethernet Card

Some Macintosh computers come with an optional 10/100 Base-T Ethernet card installed. This update provides details about the card that are not covered in the computer's manual.

10/100Base-T Network Connection

Your computer came with a 10/100Base-T Ethernet card installed in one of the computer's PCI slots. You can connect a cable for a 10Base-T or a 100Base-T Ethernet network to this card.



10/100Base-T Ethernet port (RJ-45)

Note: The type of twisted-pair cable you can use depends on whether you are connecting to 10Base-T or 100Base-T Ethernet. Category 5 twisted-pair cable must be used to connect to 100Base-T if you want to get the maximum speed from this connection.

Checking the Status of a 10/100Base-T Network Connection

After you connect your computer to a network using the 10/100Base-T Ethernet card, you can check the card's LED indicators to monitor network activity. There are four indicators:

- *ACT (Activity)*: Blinks when the 10/100Base-T Ethernet card is active
- *COL (Collision)*: Glows when a network collision has occurred (a temporary condition that occurs when two computers on a network try to send data simultaneously)
- *LNK (Link)*: Glows when a reliable 10 megabit (Mbit) or 100 Mbit network connection has been established
- *100Mb*: Glows when a reliable 100 Mbit link is established

10/100Base-T Ethernet Card Specifications

- *Open Transport:* Mac OS 7.5.2 or later, AppleShare, AppleTalk, NetWare for Macintosh, TCP/IP
- *Connector:* RJ-45 (for 10Base-T and 100Base-T)
- *Media, 10Base-T:* Cat 3, 4, or 5 UTP on 2 pairs up to 100 meters (m)
- *Media, 100Base-T:* Cat 5 UTP on 2 pairs up to 100 m
- *Bus interface:* PCI revision 2.0 and 2.1, share interrupt A
- *Channel speeds:* IEEE Auto Negotiation of 10Base-T and 100Base-T
- *Communications:* IEEE 802.3i 10Base-T; IEEE 802.3u 100Base-T
- *Controllers:* DECchip 21140, 32-bit internal processor per channel
- *Power:* 1.2 amperes (A) @ 5 volts (V) typical