# Tech Info Library

## Macintosh II: AppleTalk Port Impedance Problems And Solutions

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TOPIC ------------------------------------------------------------

I'm having problems with my AppleTalk network system; my Macintosh II
can't see the rest of the network.  I think it's the printer port on the
Macintosh II as other Macintosh computers work fine from the same location
on the network.

Does it require a Macintosh II main logic board change to replace the
printer port?  What could cause a printer port to go bad?

DISCUSSION -------------------------------------------------------

1) To replace the printer port, you have to replace the main logic board.
   Although other stations may have been tested on your machine's PhoneNET
   port, you can also test the questionable Macintosh II on a different
   (known to be good) port. It is possible that both the PhoneNET
   connection AND the Macintosh II port are marginal and are combining to
   create the resistance problem.

2) The impedance on a port can be bad due to a variety of reasons; all
   relate to hardware failures of some type. The Zilog 8530 Serial
   Communications Chip could have a problem. There are also resistors on
   most of the I/O lines for the ports as well as capacitors, and any of
   these could be flawed. For a more thorough understanding of the
   electronics involved, examine "The Macintosh Hardware Reference Manual"
   from Addison Wesley and the chapter on Macintosh serial ports.
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