



# Communications Cards

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## Specifications

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Communications Cards





## ISDN NB Card

<b>Interface</b>	NuBus
<b>Processor</b>	Motorola 68000 microprocessor operating at 10 MHz
<b>Memory</b>	512K of RAM, expandable to 1 MB
<b>Rate Adaption Data Speeds</b>	V.110 at 600, 1200, 2400, 3600, 4800, 7200, 9600, 14400, and 19200 bps V.120 determined by the remote computer's terminal adapter, which also must use the V.120 protocol
<b>Compatibility</b>	AT&T 5ESS and Northern Telecom DMS-100 ISDN switches





**External Connectors**

RJ-45 for basic rate (2B+D) four-wire S-interface according to CCITT I.430 specification

RJ-11 connector for support of standard DTMF telephone

**Miscellaneous**

Built-in support for PS2 circuit power at the ISDN S-reference point





## Serial NB Card

<b>Interface</b>	NuBus
<b>Processor</b>	Motorola 68000 microprocessor operating at 10 MHz
<b>Memory</b>	512K of RAM, expandable to 1 MB
<b>Data Transfer Speed</b>	19.2 Kbps 64 Kbps (DMA-backed ports)
<b>Power Dissipation</b>	10 W
<b>External Connector</b>	DB-62





## Coax/Twinax Card

<b>Interface</b>	NuBus
<b>Processor</b>	Motorola 68000 microprocessor operating at 10 MHz
<b>Memory</b>	512K of RAM, expandable to 1 MB
<b>Application Programming Interface</b>	Apple 3270 API
<b>Coax Support</b>	Category A





**Power Dissipation**      10 W

**External Connectors**      BNC (coax interface)  
DB-15 (twinax interface)





# Troubleshooting

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## Communications Cards







## General

The Symptom Charts included in this chapter will help you diagnose specific symptoms related to your product. Because cures are listed on the charts in the order of most likely solution, try the first cure first. Verify whether or not the product continues to exhibit the symptom. If the symptom persists, try the next cure. (Note: If you have replaced a module, reinstall the original module before you proceed to the next cure.)

For additional assistance, contact Apple Technical Support.





# Symptom Charts

## ISDN NB Card

I/O error occurs  
when you use  
MacISDN Config to  
verify hardware and  
software

- 1 Reinstall MacISDN software.
- 2 Verify hardware installation.
- 3 Restore ISDN NB Card to factory configuration. Disconnect external power supply (if connected). Shut down computer, wait a few seconds, then switch on computer.





## Serial NB Card

Self-test status LED  
stays red after  
power-up

- 1 Switch off computer and reseal card.
- 2 Replace Serial NB Card.

MacDFT icon missing  
from Control Panel

- 1 Switch off computer and reseal card.
- 2 Replace Serial NB Card.

