



Tech Info Library

PowerBook 200 & 2300 Series: Memory Card Not Recognized (10/95)

Revised: 10/9/95
Security: Everyone

PowerBook 200 & 2300 Series: Memory Card Not Recognized (10/95)

=====
Article Created: 6 August 1993
Article Reviewed/Updated: 6 October 1995

TOPIC -----

I bought the largest memory card available for my Macintosh PowerBook (Duo) computer, but my machine does not seem to be recognizing or accessing it. I tried it in my friend's PowerBook Duo computer and it worked fine. Does this mean there is a faulty card slot on my computer's logic board?

DISCUSSION -----

All Macintosh PowerBook Duo computers have memory controllers on their logic boards designed to understand up to a certain maximum amount of RAM. Therefore, the amount of memory that your Duo can read depends on which model you have. The Maximum amount of RAM and the largest card that it can accept is shown in the following table.

Begin_Table

Macintosh PowerBook (Duo) Model	Maximum Amount of RAM	Largest Memory Module
PowerBook 210, 230, and 250	24 MB	20 MB
PowerBook 270c	32 MB	28 MB
PowerBook 280 and 280c	40 MB	36 MB
PowerBook 2300c*	56 MB	48 MB

*Note: All of the models have 4 mb on the motherboard except the 2300c which has 8 mb on the motherboard.

End_Table

One other possible reason that your RAM card works in your friend's PowerBook computer but not yours is probably due to the range of RAM tolerance specifications allowable for Apple Macintosh computers. Because the tolerance is defined within a range it can vary from unit to unit. The third-party companies

that manufacture memory cards for Apple's Macintosh computers may design them at the very limits (high or low) of the PowerBook computer's tolerance. Apple makes no guarantee that third-party products will work with Apple products.

To test whether or not your machine falls within the Apple-specified tolerance parameters you (or an authorized Apple Service technician) should see how it performs with the Apple 4 MB or 8 MB card. If that functions properly in your computer, there is nothing wrong with your PowerBook computer, but the RAM card may not have been manufactured within the computer's tolerances. If this is the case, you will need to contact the manufacturer of the card for more information.

Article Change History:

06 Oct 1995 - Added new computers.

Support Information Services

Copyright 1993-95, Apple Computer, Inc.

Tech Info Library Article Number:12886