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Macintosh Portable: RAM Consumes Insignificant Power

Revised: 7/30/92
Security: Everyone

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Article Created: 31 August 1990
Article Last Reviewed: 30 July 1992
Article Last Updated:

TOPIC -----

Is there a significant decrease in battery life for a Macintosh Portable with 2MB of Apple Portable RAM as compared to one with 1MB? Also, does the extra 1MB of Apple Portable RAM drain the battery during "Shut Down?"

DISCUSSION -----

When the Macintosh Portable is in a "Sleep" or "Shut Down" state, having 1MB of RAM draws 4.5mA, and adding another 1MB in the RAM expansion-card slot raises the total draw to 6mA. Though we haven't tested the longevity of the battery with the additional 1MB of RAM, it should have a very minimal effect.

When the Macintosh Portable is active, the RAM power requirements are approximately 20 to 35mA with 1MB or 2MB of RAM installed, respectively. This power draw is relatively insignificant, a mere increase of 15mA, as compared to the 200mA the logic board draws, 50 to 70mA for the display, and 700mA for the hard drive.

Of course, this applies to Apple's Portable RAM expansion, because third-party RAM boards may use different kinds of RAM with different power consumption characteristics.

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Tech Info Library Article Number:6072