Tech Info Library

RAM: Faster-than-Required SIMMs Don't Improve Performance

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TOPIC ---

Will performance on my Macintosh Quadra 700 increase if I use SIMMs rated at 60 ns instead of the recommended 80 ns?

DISCUSSION ---

Performance will not increase if you install SIMMs rated at 60 ns in a Macintosh Quadra because the SIMMs still will be accessed at the 80-ns rate.

A problem with incorrect SIMM speeds is encountered when the SIMMs are too slow for the system in which they are installed. For example, if you put 120-ns SIMMs in a system that requires 80-ns SIMMs, the CPU accesses the 120-ns SIMMs at the faster 80-ns rate. This causes those slower SIMMs to overheat, produce random errors, and eventually fail completely.

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