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Macintosh IIvx: Clock Speeds

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TOPIC ---

I've heard that the processor in the IIvx is not a "true" 32 MHz, and that
the processor is similar to the Intel DX2 clock doubling technology. Is
this true?

DISCUSSION --

As you are aware, Apple has produced various architectural solutions to
computing problems over the years. Some, like the IIfx and Quadras, do so
by running the microprocessor and other associated components at a higher
clock speed than the rest of the main logic board. For example, the IIfx
has a 40 MHz 68030 and a 20 MHz I/O bus. The Quadra 700 and 900 have a 25
MHz 68040 and a 16 MHz I/O bus. And the Quadra 950 has a 33 MHz 68040 and
a 25 MHz I/O bus.

On the IIvx, the cache, FPU, and the 68030 run at 32 MHz. Whereas, the
RAM, ROM, VRAM and the I/O subsystem run at 16 MHz. The IIci and IIsi have
the same main logic board and microprocessor clock speeds.

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