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PowerPC: SPEC Ratings For 603 & 603e Chips (1/97)

Revised: 1/28/97
Security: Everyone

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Article Created: 19 July 1995
Article Reviewed/Updated: 28 January 1997

TOPIC -----

This article contains the SPEC ratings for the PowerPC 603 and 603e chips used in Power Macintosh computers. MIPS (Millions of Instructions Per Second) ratings are not provided for PowerPC chips.

DISCUSSION -----

Begin_Table

PowerPC Chip:	603	603e
Technology:	0.5 micron CMOS process	0.5 micron CMOS process
Die Size:	7.4mm x 11.5mm (85mm^2)	8.4mm x 11.67mm (98mm^2)
Transistors:	1.6 million	2.6 million
Cache:	16K Split	32K Split
Temp. Range:	0°C to 105°C	0°C to 105°C
Performance:	75 SPECint92 @ 80MHz 65 SPECfp92 @ 80MHz 62 SPECint92 @ 66MHz 54 SPECfp92 @ 66MHz	120 SPECint92 @ 100MHz 105 SPECfp92 @ 100MHz
Signal I/Os:	165	165
Power Supply:	3.3V±5%	3.3V±5%
Power		
Dissipation:	2.5 W @ 80MHz	3W @ 100MHz

2.2W @ 66.67MHz

Packaging:	C4 Ceramic quad flat pack (240 pins)	C4 Ceramic quad flat pack (240 pins)
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End_Table

Article Change History:

28 Jan 1997 - Corrected minor typo.

23 Oct 1996 - Added URLs.

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Tech Info Library Article Number:18204