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Power Macintosh 6100, 7100, 8100: Comparisons (8/96)

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TOPIC -----

How do the Power Macintosh 6100, 7100, and 8100 series computers compare with each other?

DISCUSSION -----

The major differences between the Power Macintosh models are:

Begin_Table

Feature:	Power Macintosh 6100	Power Macintosh 7100	Power Macintosh 8100
Processor	PPC 601 @60 MHz PPC 601 @66 MHz	PPC 601 @66 MHz PPC 601 @80 MHz	PPC 601 @80 MHz PPC 601 @100 MHz
DRAM Expansion	8 MB to 72 MB	8 MB to 136 MB	8 MB to 264 MB
DRAM Slots	2 slots	4 slots	8 slots
DRAM Speed	80 ns	80 ns	80 ns
DRAM SIMM Sizes#	4,8,16 & 32 MB	4,8,16 & 32 MB	4,8,16 & 32 MB
DRAM SIMM Type	72-pin	72-pin	72-pin
Possible DRAM Configurations	8,16,24,40,72 MB	8,24,40,72,136 MB	8,40,72,136,264 MB
Ethernet	Standard	Standard	Standard
FPU	Standard	Standard	Standard
ROM Size	4 MB	4 MB	4 MB
Standard VRAM	N/A (uses DRAM)	1 MB	2 MB
VRAM Expansion	N/A (uses DRAM)	1 MB to 2 MB	2 MB to 4 MB
VRAM Slots	no slot	1 slot	1 slot
VRAM Speed	N/A (uses DRAM)	80 ns	80 ns
NuBus 90 Slots%	1!	3	3
601 PDS%	Yes	Yes	Yes
L2 Cache Slot	Yes	Yes	Yes

Power Macintosh AV Models

Feature:	Power Macintosh 6100 AV	Power Macintosh 7100 AV	Power Macintosh 8100 AV
Processor	PPC 601 @60 MHz PPC 601 @66 MHz	PPC 601 @66 MHz PPC 601 @80 MHz	PPC 601 @80 MHz PPC 601 @100 MHz
DRAM Expansion	8 MB to 72 MB	8 MB to 136 MB	8 MB to 264 MB
DRAM Slots	2 slots	4 slots	8 slots
DRAM Speed	80 ns	80 ns	80 ns
DRAM SIMM Sizes#	4,8,16 & 32 MB	4,8,16 & 32 MB	4,8,16 & 32 MB
DRAM SIMM Type	72-pin	72-pin	72-pin
Possible DRAM Configurations	8,16,24,40,72 MB	8,24,40,72,136 MB	8,40,72,136,264 MB
Ethernet	Standard	Standard	Standard
FPU	Standard	Standard	Standard
ROM Size	4 MB	4 MB	4 MB
Standard VRAM	2 MB	2 MB	2 MB
VRAM Expansion	2 MB(no expansion)	2 MB(no expansion)	2 MB(no expansion)
VRAM Slots	no slot	no slot	no slot
VRAM Speed	80 ns	80 ns	80 ns
S-Video Input&	1	1	1
S-Video Output&	1	1	1
Monitor Ports	2	2	2
NuBus 90 Slots@	1!	3	3
601 PDS@	This slot is used by the Apple AV Technologies Card		
L2 Cache Slot	1	1	1

End_Table

The Power Macintosh 8100/110 is identical to the Power Macintosh 8100/80 excepting that it comes with 16MB of RAM, 2 MB of VRAM (expanable to 4 MB), and is equipped with a 110 MHz version of the PowerPC 601 microprocessor. There is no AV model.

Notes:

- # Composite SIMMs are not supported, SIMMs must be installed in pairs of the same size in adjoining SIMM slots.
- ! Requires a Power Macintosh 6100 NuBus Adapter Card (Part #M2337LL/A) This card gives you the ability to plug in a 7-inch NuBus expansion card.
- % The Power Macintosh 6100 has a single expansion slot which can be used as a 601 PDS or as a NuBus slot with the optional Power Macintosh 6100 NuBus Adapter Card installed.
- & The S-Video Input and Output ports can be used as composite video ports when used with the bundled composite input and output adapter cables.
- @ With the Power Macintosh 6100, the PDS/NuBus 90 Slot is used by the Apple AV Technologies Card, which provides an additional monitor port and two s-video ports.

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