



# Tech Info Library

## Centris 610, 650 & 660AV: Differences (7/95)

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Security: Everyone

Centris 610, 650 & 660AV: Differences (7/95)

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TOPIC -----

What are the major differences between the Macintosh Centris 610, the Centris 650 and the Centris 660AV?

The information in this article relative to the Centris 610 and Centris 650 is also relevant to the Quadra 610 and Quadra 650.

DISCUSSION -----

The major differences between the Centris models are:

Feature:	Centris 610:	Centris 650:	Centris 660AV:
Processor	MC68040 @20 MHz	MC68040 @25 MHz	MC68040 @25 MHz
DRAM Expansion	4 MB to 68 MB	4 MB to 132 MB	8 MB to 68 MB
DRAM Slots	2 slots	4 slots	2 slots
DRAM Speed	80 ns(nanoseconds)	80 ns	70 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
Ethernet	Optional	Optional	Standard
FPU	None	Optional	Standard
ROM Size	1 MB	1 MB	2 MB
Maximum VRAM	1 MB (512K stnd)	1 MB (512K stnd)	1 MB (1 MB stnd)
VRAM Slots	1 slot	1 slot	1 slot
VRAM Speed	80 ns(nanoseconds)	80 ns	80 ns
NuBus Slots	1!	3	1*
PDS Slot%	Yes	Yes	Yes

Notes:

- # Composite SIMMs are not supported.
- ! With optional Centris 610 NuBus Adapter Card installed.
- \* With optional Centris 660AV NuBus Adapter Card installed.

% On the Centris 610 and 660AV models, the PDS Slot is the Expansion Slot - it can either be used as PDS slot or as a NuBus slot with the appropriate NuBus Adapter Card installed.

The Macintosh Centris 610 and 660AV share the same type of enclosure (form factor) which is a flat, rectangular "pizza" box. The Macintosh Centris 650 uses a Macintosh IIvx style desktop box.

Additionally, the Macintosh Centris 660AV boasts a number of additional features not found in the Centris 610 & 650 including:

- An on-board DSP (Digital Signal Processor) Chip
- GeoPort Communications Architecture
- Composite and S-Video input and output ports
- Sound input and output ports

For further information on the Macintosh Centris 660AV specifications, please consult the Tech Info Library article: "Macintosh Centris 660AV: Specifications"

#### Article Change History:

- 19 Jul 1995 - Corrected memory speed info for Quadra 610 and 650.
- 28 Jul 1994 - Added reference to Quadra 610 and 650 to aid in searching.
- 29 Jul 1993 - Article revised and retitled to include the Centris 660AV.

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