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Macintosh Centris 660AV: Expansion Slot (7/93)

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TOPIC -----

This article describes the expansion slot in the Macintosh Centris 660AV.

DISCUSSION -----

The Centris 660AV has a expansion slot similar to the Centris 610 expansion slot and can be used in two different ways:

- 1) You can install a PDS (Processor Direct Slot) card directly into the slot.
- 2) You can install a 7-inch NuBus card after installing the optional Centris 660AV NuBus adapter card.

PDS Cards

A PDS (Processor Direct Slot) implementation brings the microprocessor address, control, and data lines, along with clock, power, and a few model-specific signals, to a single expansion connector on the main logic board. Apple uses the PDS expansion interface on selected Macintosh models as another option for system expansion.

PDS cards can be designed to work in both the Centris 610 and the Centris 660AV. However, there are some signal changes in the Centris 660AV, so not all current PDS cards will work in both models.

NuBus Cards

The Centris 660AV accepts one 7-inch NuBus card when the optional Centris 660AV NuBus adapter card is installed in the Centris 660AV expansion slot.

The Centris 660AV NuBus adapter card also includes the DAV connector.

This connector provides direct access to audio and video data directly from the logic board. In the Centris 660AV, the DAV connector is located on the optional NuBus adapter. Uses for DAV cards could include a graphics accelerator, audio/visual compression/decompression tasks, or provide PhotoShop plug in enhancements.

NuBus 90 Implementation

This NuBus implementation is based on the NuBus '90 specification. Variances from previous Quadra and Centris models include:

- The ability to control power on and off from a NuBus card (Quadra 840AV only)
- Faster data transfer rates including a 20 MHz card to card transfer rate that provides throughput rates at up to 80 MB per second.

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