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Macintosh LC 475 & Quadra 605: LC-PDS Slot Q&A (10/93)

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TOPIC -----

This article answers basic questions about the LC-PDS slot in the Macintosh LC 475 and Quadra 605 computers.

DISCUSSION -----

Q) Why isn't the Macintosh LC 475 PDS slot an 040 PDS slot?

A) Because of the popularity of the Macintosh LC computers, many third-party developers have created expansion cards based on the LC-PDS. Like the other members of the Macintosh LC series the LC 475 can take advantage of many of the LC cards on the market, such as the video-out, Ethernet, and Apple IIe cards. Compatibility among the Macintosh LC 475, LC, LC II, and LC III slots means that a customer can simply take most cards out of an LC II slot, and place it in an LC 475 slot.

Q) What cards do, and do not, work with the "LC-PDS compatible" slot?

A) The expansion slot is an LC III compatible expansion connector, and almost all cards that work with Macintosh LC III also work with the LC 475. Examples include video-out, Ethernet, and Apple IIe cards. Cards that are 030-specific, such as 030 accelerators or 030 cache cards, do not work with the LC 475 because they require direct access to the 68030 microprocessor. However, those cards are intended to speed the 68030 microprocessor to higher performance levels, which are already attainable with the 68040 microprocessor.

Q) Why isn't the Quadra 605 slot NuBus or 040 PDS?

A) Apple uses the same logic board in three product families: Performa, LC, and Quadra. It was necessary to select one standard type of expansion slot. Because the LC-PDS has been extremely successful with

both education and business customers -- through the LC, LC II, LC III,
and LC 520 -- the LC-PDS technology was adopted.

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