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DayStar Digital: PowerPro 601 - PowerPC Upgrade Card (3/94)

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TOPIC -----

This article describes the PowerPro 601, the PowerPC Upgrade Card for selected Macintosh Models from DayStar Digital.

DISCUSSION -----

DayStar Digital has licensed core system-level ROM code from Apple. DayStar's PowerPro 601 - PowerPC Processor Upgrade Card will connect to the Processor Direct Slot (PDS) on the following Macintosh models:

- Macintosh Centris 650.
- Macintosh Quadra 650, 700, 800, 900, 950.

The rest of this article details the card's specifications. The card is expected to ship upon the official introduction of Apple first PowerPC based Macintosh models.

PowerPro 601: PowerPC Processor Upgrade Card

Processor

- 66 MHz or 80 MHz clock speed option
- 64-bit data bus
- 32-bit address bus
- Mother board interface:
 - Processor Direct Slot (PDS) with asynchronous communications interface.
- Processor performance:
 - SPECint92 >60 (integer)
 - SPECfp92 >80 (floating point) at 66 MHz

Processor Cache

- Built in 32 Kbyte unified instruction and data cache
- Optional 512 KB second L2 cache

ROM

- Apple PowerPC licensed ROMs

Memory

- 2 banks with two 72-pin SIMM slots each for a total of four.
- 1M x 32, 2M x 32, 4M x 32, 8M x 32.
- RAM speed: 60 ns (nanoseconds) or faster.
- RAM Type: non-parity or parity (parity is not used)

Memory Configurations

- Capacity range: 0 MB to 128 MB
- on board configurations: 0 MB, 8 MB, 16 MB, 27 MB, 32 MB, 40 MB, 48 MB, 64 MB, 72 MB, 80 MB, 96 MB, 128 MB, 0 MB

Memory Data Transfer Rates

- With interleaving: 92 MB per second reads, 118 MB per second writes.
- Without interleaving: 76 MB per second reads, 92 MB per second writes.
- Data transfer modes: 64-bit cache line transfers
- Data transfer rates: 20 MB per second and higher, depending on host platform.
- Power consumption: 3.0 amps at 5V (with 8 MB of RAM)

Software

- PowerPro Control Panel (CDEV)
- Native Photoshop filters
- Photoshop scripting
- Color Management

Environmental Conditions

- 50 to 104 degrees F (10 to 40 degrees C)
- Humidity: 10 to 80 percent (non-condensing)
- Altitude: Sea level to 10,000 feet.

To locate a vendor's address and phone numbers, use the vendor name as a search string.

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11 March 1994 - Verified information & reclassified article.

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