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April 1999

Dear Customer:

333MHz and 266MHz Embedded Mobile Module Connector 2 (EMC2) processors

The following information applies to CPV5300 and CPV5350 CompactPCI Processor Boards equipped with 333MHz or 266MHz Embedded Mobile Module Connector 2 (EMC2) processors.

When the “CPU Speed” is 333MHz the BIOS reports the “CPU Type” as “Celeron”. The BIOS should report the “CPU Type” as “Pentium II”. The 333MHz EMC2 has 256K of L2 cache that runs at the processor speed. The reporting of the Celeron is based on the algorithm used by the BIOS to determine the processor. Both the Celeron and the Pentium II originally had the same CPU ID and sub ID. The BIOS distinguished between the two types of processor by the amount of L2 cache. When the algorithm was written, a Pentium II had 512K of L2 cache. The BIOS interprets any amount of cache less than 512K as a Celeraon processor. Since the 333MHz Pentium II contains 256K of L2 cache the BIOS reports it as a Celeron processor. The processor displays during power up and when in the CMOS setup screen.

The 266MHz EMC2 has 512K of L2 cache that runs at 1/2 the processor speed.

The reported text string “CPU Type - Celeron” does not affect the operation of the processor. This notice only tells you that the text string “CPU Type - Celeron” is presented on the basic setup screen.

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