2009 Timing Devices

Logic Markets – Worldwide

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Abstract

Timing devices are used to synchronize components and make up an integral part of nearly every device that contains an IC or generates a radio signal. Major end markets include computer systems, consumer electronics, communications gear, and other electronics. Databeans predicts that the worldwide timing devices market will reach $4.1 billion in sales for 2009. This product group will experience respectable annual growth of 13 percent on average over the next five years until it reaches $7.4 billion in revenue by 2014.

Clock distribution circuits are then used to distribute the generated clock signals and synchronize system operations. Products such as Phase Lock Loops are included within the clock generation segment, as are clock multipliers, doublers, and dividers. Buffers and clock drivers are included in the clock distribution segment.

The clock generation and distribution market grows mostly due to demand from the computing, communications, and consumer electronics segments. ASPs in this market can run anywhere from $0.60 to over $100.00 for a single device, depending upon the application and the sophistication of designs. The market ASPs for timing ICs are projected to reach only $1.80 in 2009 and fall slightly over the remaining forecasted period as production costs of silicon devices decreases over time.

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