2010 Semiconductors in Military and Aerospace Electronics

Industrial Markets Service

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Abstract

This is expected to be a growth year for military and aerospace semiconductors, as despite currently reduced military spending in some sectors and the troubled global economy, suppliers will likely be pushing forward in anticipation of end-product growth coming to the market over the next few years. This growth is due to technological advances which are driving demand, because of changes in national military policies, and as a result of the substantial backlog of undelivered orders in aerospace.

Prior to the era of computers and consumer electronics, military electronics consumed almost all of the world's semiconductors. Although the market share of military electronics semiconductor consumption has been reduced to a smaller fraction, semiconductors nonetheless perform critical roles in this industry.

In the overall industrial market, which includes military and aerospace application markets, more designs are using digital signal processing, sensors, and analog circuitry for automation, measurement, security, and other growing areas in the industrial market. And while end equipment shipment volumes are lower and growth is limited, the increasing electronics content, requiring semiconductors, is driving an average growth rate of 5 percent per year for Mil/Aero chips.

The Databeans forecast for military and aerospace semiconductors shows 2010 to be a growth year for this market, with revenue likely to approach $2.6 billion. Over the forecast period, units typically will keep pace with revenue, and ASPs will remain basically flat. Factors affecting pricing include cost savings in electronics integration, in materials, and in greater manufacturing efficiency.

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