

# 2009 Medical Semiconductors

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Industrial Semiconductor Markets – Worldwide



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## Abstract

As a result of continuing high demand and innovation, medical electronics represents the fastest growing industrial semiconductor opportunity for suppliers, with the Home, Clinical, and Imaging end-equipment segments all requiring improved components with advanced performance characteristics, smaller sized packaging, lower power consumption, and cost effectiveness which increases profitability.

Relative to the overall Industrial market, the medical electronics market is a small, but attractive and growing, market of opportunity for suppliers, as healthcare shifts toward home-based applications, and as new product development continues. One major trend in medical electronics is the continued movement of patient care away from professional facilities, such as hospitals, into the home environment. This comes as a byproduct of advancing medical technology; but also from the healthcare provider point of view, the trend toward home patient care serves to improve the efficiency and reduce the costs incurred by doctors.

Generally, electronic medical equipment is still manufactured within the same region of its intended use. However, this is likely to change as the emerging countries become more developed with medical electronics implementation. Also, the Asia Pacific region is becoming a major manufacturing center for medical electronics - perhaps someday having the same kind of impact upon medical as it has upon other markets. The medical electronics market is estimated to be valued at \$124.8 billion for this year, and it is expected to reach a market size of about \$208 billion by 2014, resulting in a growth rate of 7.2 percent over the next five years.

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