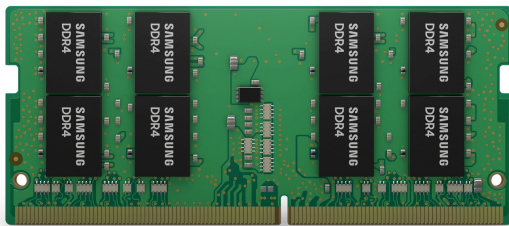


Samsung Produces 10nm 32GB DDR4 SoDIMMs

Written by Frederick Douglas
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Samsung starts mass production of 32GB DDR4 SoDIMMs using 10nm-class process technology, aimed mainly at gaming laptops providing "significantly more capacity, higher speeds, and lower energy consumption."



"Samsung's 32GB DDR4 DRAM modules will deliver gaming experiences on laptops more powerful and immersive than ever before," the company says. "We will continue to provide the most advanced DRAM portfolios with enhanced speed and capacity for all key market segments including premium laptops and desktops."

According to the company, the 32GB module offers double the capacity compared to the 2014 16GB SoDIMM based on 20nm DDR4, while being 11% faster and 39% more energy efficient. The 32GB module packs 16 Samsung 16Gb DDR4 DRAM chips, and promises speeds of up to 2666Mbps. Samsung also claims a laptop equipped with two 32GB DDR4 modules consumes less than 4.6W in active mode and 1.4W in idle, a power usage reduction of around 39% compared to gaming-oriented laptops equipped with 16GB modules.

The company adds it is "aggressively" expanding its 10nm DRAM offering, with 16GB LPDDR4, 16Gb GDDR5 and 16Gb DDR4 products aimed at the mobile, graphics, PC and server segments.

Go [Samsung Enables More Appealing Gaming Experience with Introduction of 10nm-Class 32GB DDR4 SoDIMMs](#)