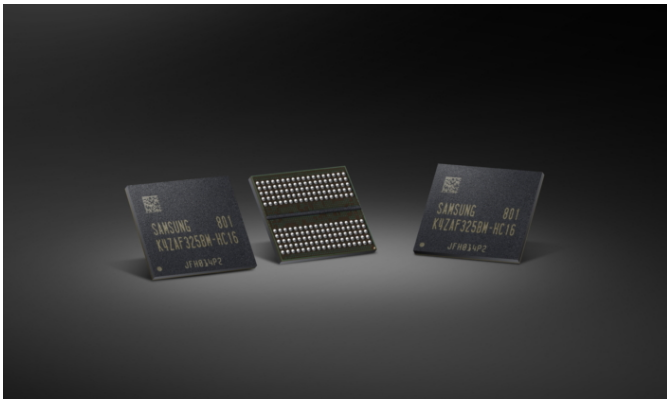


## Samsung Produces 16Gb GDDR6 Memory

Written by Frederick Douglas  
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Samsung starts mass production of what it claims is the first 16Gb GDDR6 memory, designed for advanced graphics processing in gaming devices and graphics cards, as well as automotive, network and AI applications.



“Beginning with this early production of the industry’s first 16Gb GDDR6, we will offer a comprehensive graphics DRAM line-up, with the highest performance and densities, in a very timely manner,” the company says. “By introducing next-generation GDDR6 products, we will strengthen our presence in the gaming and graphics card markets and accommodate the growing need for advanced graphics memory in automotive and network systems.”

The GDDR6 memory is built using a 10-nanometer process and comes in 16Gb density, double the previous 20nm 8Gb GDDR5 memory. Pin speed clocks at 18Gbps with a data transfer of 72GBps, double the 8Gb GDDR5 with 8Gbps pin speed. In addition the GDDR6 memory runs at lower 1.35V energy consumption, and brings a 30% increase in productivity compared to the 20nm GDDR5.

The immediate GDDR6 production will go in next-generation graphics cards and systems running 8K UHD video, VR, AR and AI.

Go [Samsung Starts Producing Industry's First 16Gb GDDR6 for Advanced Graphics Systems](#)