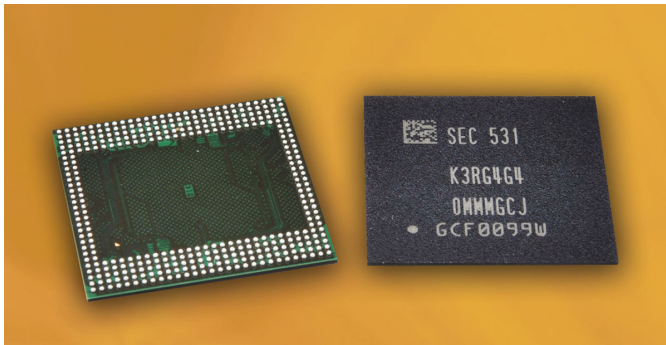


## Samsung Boosts Mobile DRAM

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Samsung starts mass production of what it claims is the first 12Gb (or 1.5GB) LPDDR4 DRAM modules for mobile device use, as based on the company's advanced 20nm process technology.



The modules take the same space inside devices as Samsung 6Gb modules, allowing mobile phone makers to either double the device memory within the same space or make smaller phones with 3GB of RAM.

The company adds the 12Gb modules are 30% quicker than its 8Gb modules (found in many 4GB devices), meaning future smartphones and tablets get a further performance boost. Energy use is also down by around 20%, allowing for longer battery lives.

"By initiating mass production of 12Gb LPDDR4 mobile DRAM in an extremely timely manner, we now are not only helping OEMs to accelerate their moves to the next generation of mobile devices, but also providing functionality that will give mobile consumers greatly enhanced user experiences," Samsung says. "Furthermore, we intend to closely collaborate with our global customers to move beyond premium smartphones and tablets in creating new digital markets that embrace the full potential of cutting-edge technologies like next-generation mobile DRAM."

Samsung also expects the LPDDR4 mobile memory modules to find use in devices other than smartphones and tablets, such as ultra-slim PCs, smart appliances and automotive devices.

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