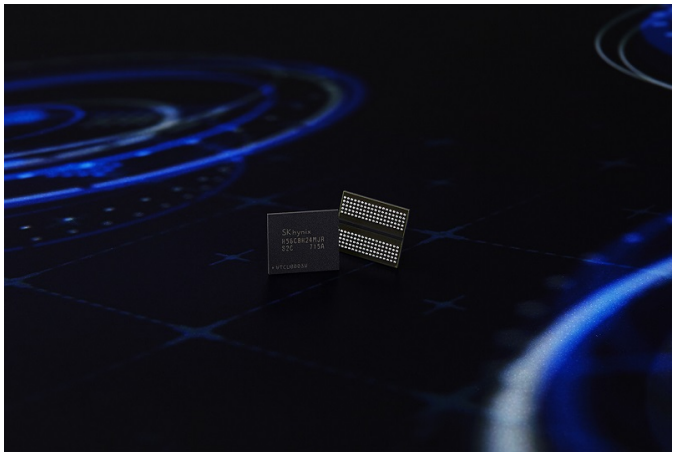
The SK Hynix product portfolio gets GDDR6 DRAM-- described by the company as "the world's fastest 2Znm 8Gb (Gigabit) GDDR6 (Graphics DDR6) DRAM" designed for high-end graphics card use.



The 20nm 8Gb chips operate at 16Gbps per pin, an industry record. SK Hynix provides a performance example of a graphics card with a 384-bit memory bus equipped with GDDR6, offering a bandwidth of up to 768GBbps. In comparis, an Nvidia GeForce GTX 1080 Ti equipped with GDDR5X has a bandwidth of under 500GBps.

SK Hynix adds it is "collaborating with a core graphics chipset client to timely mass produce the GDDR6 for the upcoming market demands." The launch of high-end graphics cards armed with GDDR6 RAM is expected for Q1 2018, and the technology should also find use in hardware powering AI and self-driving cars, among other applications.

The GDDR6 standard is still being drafted by JEDEC, but it should offer twice the speeds of GDDR5 while operating at 10% lower voltage. SK Hynix plans to "speedily substitute GDDR5 and GDDR5X" with new GDDR6 chips, while competitors Samsung and Micron should start production of GDDR6 modules by end 2017.

Go SK Hynix Introduces Industry's Fastest 8Gb Graphics DRAM