



GDDR6

# Elevating the graphics



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## Leading the industry's fastest graphics experiences

Samsung's GDDR6 delivers the graphics of the future, combining industry-leading performance, power and bandwidth for the widest range of high-performance computing and graphics applications.

# Lightning-fast graphics

Industry's highest speed of up to 768GB/s

With the fastest data rates in the industry, Samsung's GDDR6 delivers maximum bandwidth and blazing-fast speed of up to 768GB/s, enabling the next-generation of high-performance computing and graphics applications.

**SAMSUNG**  
**GDDR6**

# Optimized power consumption

## A new level of efficiency

Thanks to advanced power optimization, the GDDR6 can process high-bandwidth, high-computing applications at a fraction of the power, ultimately requiring less voltage for faster speed.

POWER  
CONSUMPTION



# The world's first 16Gb graphics DRAM

**More capacity in a smaller system footprint**

Samsung's GDDR6 packs in 16Gb graphics DRAM, consuming up to 60 percent less power compared to the 8Gb solution with the same density configuration.

\* for the same density configuration in a particular setting



# Powering the future of high-performance computing

Incredible versatility for any high bandwidth application

Samsung's GDDR6 supports the widest range of applications, from accelerators for high-performance computing, to workstations, consoles and laptops, offering an exceptional combination of power, bandwidth and density in the industry.



## Product selector

| Density                        |                                 | Org.                               |           | Speed                              | Refresh                              |
|--------------------------------|---------------------------------|------------------------------------|-----------|------------------------------------|--------------------------------------|
| <input type="checkbox"/> 16 Gb |                                 | <input type="checkbox"/> 512M x 32 |           | <input type="checkbox"/> 16.0 Gbps | <input type="checkbox"/> 16K / 32 ms |
| <input type="checkbox"/> 8 Gb  |                                 | <input type="checkbox"/> 256M x 32 |           | <input type="checkbox"/> 14.0 Gbps |                                      |
|                                |                                 |                                    |           | <input type="checkbox"/> 12.0 Gbps |                                      |
|                                |                                 |                                    |           |                                    |                                      |
| <input type="checkbox"/>       | Part Number ▼                   | Density ▼                          | Org. ▼    | Speed ▼                            | Refresh ▼                            |
| <input type="checkbox"/>       | <a href="#">K4Z80325BC-HC12</a> | 8 Gb                               | 256M x 32 | 12.0 Gbps                          | 16K / 32 ms                          |
| <input type="checkbox"/>       | <a href="#">K4Z80325BC-HC14</a> | 8 Gb                               | 256M x 32 | 14.0 Gbps                          | 16K / 32 ms                          |
| <input type="checkbox"/>       | <a href="#">K4Z80325BC-HC16</a> | 8 Gb                               | 256M x 32 | 16.0 Gbps                          | 16K / 32 ms                          |
| <input type="checkbox"/>       | <a href="#">K4ZAF325BM-HC14</a> | 16 Gb                              | 512M x 32 | 14.0 Gbps                          | 16K / 32 ms                          |

|                          |                 |       |           |           |             |
|--------------------------|-----------------|-------|-----------|-----------|-------------|
| <input type="checkbox"/> | K4ZAF325BM-HC16 | 16 Gb | 512M x 32 | 16.0 Gbps | 16K / 32 ms |
|--------------------------|-----------------|-------|-----------|-----------|-------------|

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SOLUTIONS

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