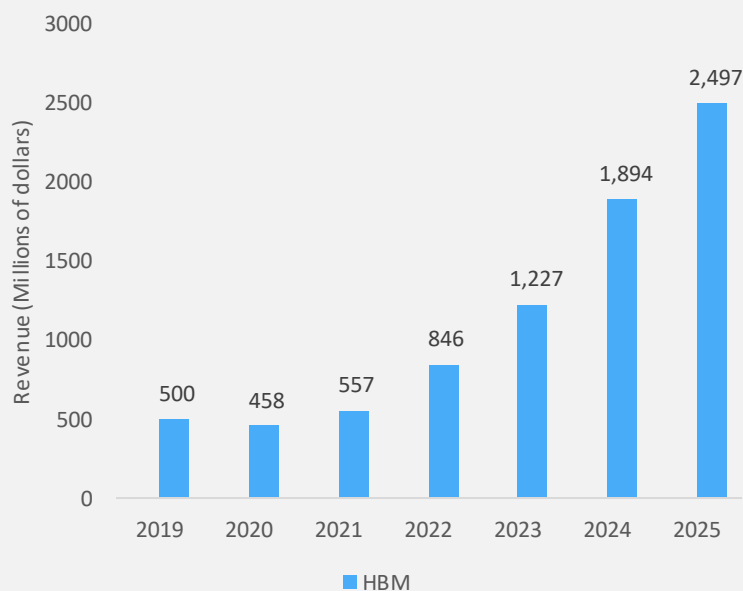


# DRAM for Graphics & AI Report - 2021

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## High Bandwidth Memory (HBM) market will reach \$2.5 billion in 2025

HBM was launched in 2013 and developed up to the 2<sup>nd</sup> generation product in 2016, but it has been viewed as a niche market. It was considered a premium product used in premium graphics cards and high-performance computing (HPC), so market interest was not great. However, with the development of parallel computing, artificial intelligence (AI) technology has become more advanced, and demand for AI has increased. This has led to increased attention for HBM, which is optimized for parallel computing. As a result, HBM is expected to show high growth potential in the future alongside continued growth in artificial intelligence.

Although this segment of the DRAM market is not large yet, HBM is showing a high growth rate. With the development of AI in the mid- to long-term, Omdia forecasts the HBM market will grow to about 5X the current size by 2025. When adopted in future autonomous driving systems, HBM will take another leap after 2025. This report will cover the outlook for DRAM for graphics & AI, including HBM, as well as HBM's demand, price, and supplier share.

# Report Coverage

KEY ISSUES ADDRESSED	COVERAGE	APPLICABLE TO	TABLE OF CONTENT	
<ul style="list-style-type: none"> <li>How much will the HBM market grow through 2025?</li> <li>What are the specifications for each generation of HBM, and how is it differentiated from other products?</li> <li>What are the major applications for HBM?</li> <li>Who are the companies currently leading HBM, and what share of the market do they hold?</li> <li>What is the demand outlook for HBM by generation?</li> </ul>	<p><b>Frequency, Time Period</b></p> <ul style="list-style-type: none"> <li>Annual forecasts</li> <li>5-year forecasts</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>Unit / Revenue</li> <li>Market Share</li> <li>Average Selling Price</li> <li>Package Type Estimation</li> </ul> <p><b>Regions, Markets</b></p> <ul style="list-style-type: none"> <li>Worldwide</li> </ul>	<p><b>Product Covered</b></p> <ul style="list-style-type: none"> <li>Artificial Intelligence</li> <li>Graphics Card</li> <li>Game console</li> <li>Network Equipment</li> <li>Automotive</li> <li>Others</li> </ul> <p><b>Technology Covered</b></p> <ul style="list-style-type: none"> <li>HBM</li> <li>Graphics DRAM</li> </ul>	<p><b>Brand manufacturers/OEMs /ODMs for datacenters</b></p> <ul style="list-style-type: none"> <li>Product planning managers</li> <li>Procurement managers</li> </ul> <p><b>DRAM suppliers</b></p> <ul style="list-style-type: none"> <li>Product marketing</li> <li>Strategic planning managers</li> </ul> <p><b>Semiconductor equipment vendors</b></p> <p><b>Investment community</b></p> <ul style="list-style-type: none"> <li>Fund managers / investors / analysts with interest in display companies</li> </ul>	<ol style="list-style-type: none"> <li><b>Market size &amp; forecast</b></li> <li><b>Shipment by tech</b></li> <li><b>Package type</b></li> <li><b>ASP</b></li> <li><b>Market share - revenue</b></li> <li><b>Market share - shipments</b></li> </ol>


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