

THE ONLY WAY IS UP

MEMPHIS

WE KNOW MEMORY

NO.03 MAR 25
MEMPHIS
MEMORY
ESSENTIALS

Everything you need to know about the semiconductor memory industry,
from legacy technologies to latest innovations.

Brought to you by MEMPHIS Electronic, your Memory Competence Center.
We are posting similar stories regularly on [LinkedIn](#), so follow us there to stay on top of the news.

The only way is up!

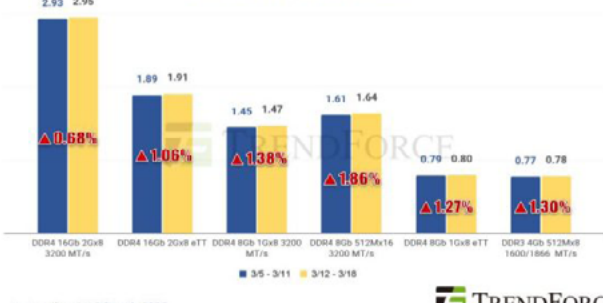
Spring is finally here and with it renewal, transformation and growth. Three things that we also saw at emebdedd world 2025. There was an air of confidence and optimism about the times ahead in most of the conversations that we had.

We are seeing a modest increase in DRAM demand and first price increases in NAND flash. Indications that we finally have crossed the bottom of the valley and the only way is up. After all, there is so much opportunity ahead as AI is transforming more and more industries.

That was one of the topics we covered in our first-ever webinar beginning of March in which we explored Memory Trends in 2025 and tried to give our view for the times beyond.

As for renewal, we conducted a spring cleaning and revamped our website! Hope you like the new design – and especially the new content. Make sure you check it out

DRAM Avg. Spot Price



Last update MARCH, 19 2025

TRENDFORCE

NAND Avg. Spot Price



Last update MARCH, 19 2025

TRENDFORCE

DDR4 Demand Rises

According to TrendForce, the DRAM spot and contract markets see an increase in trade activities. DDR5 sees the largest price increase as it is experiencing the tightest supply.

And while DDR4 demand has risen for certain products only, other DDR4 specifications and DDR3 are showing a weaker market momentum. Still, spot prices are rising as buyers are starting to restock – probably in the light of upcoming discontinuations. This leads to upward trend in prices and transaction volumes.

Read more [here](#).

NAND Prices are Climbing

As TrendForce reports, spot prices of 512Gb TLC wafers have risen by 3.2%. Factories are receiving lower-than-expected stocks due to suppliers' continuous production controls. Regarding eMMC, buyers are holding onto low existing inventory, which explains the continuous increase of prices.

Furthermore, memory manufacturers are gearing up to increase prices by over 10% in April. A trend that is in line with TrendForce's findings, which anticipate a significant improvement in the supply-demand balance in the second half of the year.

Read more [here](#).

Advanced LGA Packaging Technology

Smaller Size, Enhanced Shock and Impact Resistance

Compact as Half a Coin



New Mini SSD from BIWIN

BIWIN has launched a groundbreaking Mini SSD that provides high-speed and high-performance in a tiny form factor for mobile devices and edge computing.

The small form factor is made possible with the help of a Land Grid Array packaging technology that integrates the controller and flash memory modules into an ultra-compact form. Measuring just 15.0 mm x 17.0 mm x 1.4 mm – about half the size of a Euro coin and about the size of a microSD card.

Read more [here](#).

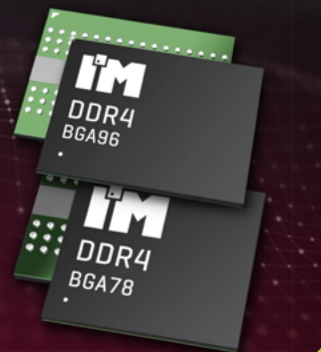
HIGH-DENSITY DDR4 COMPONENTS

16Gb AND 32Gb DENSITIES

8Gb AND 4Gb OPTIONS
ALSO AVAILABLE

X4, X8, AND X16 OPTIONS

TEMPERATURE RANGE:
INDUSTRIAL: -40 TO 95°C
COMMERCIAL: 0 TO 95°C



New IM DDR4 Components and Modules

DDR4 is by no means a new technology, but DRAMs with x4 organizations are rare in the market. The industry often favors x8 organizations because they offer a good balance between costs and performance.

IM has recently expanded its high-density DDR4 portfolio with new components and modules. A real gem is the new 16Gb DDR4 x4 component which is ideal for high density DRAM modules. These new components are qualified for extended temperatures of -40°C to +95°C.

Read more [here](#).

MEMORY TRENDS 2025 & BEYOND



NIKOLAOS FLOROUS
DIRECTOR GLOBAL PRODUCT MARKETING

Replay of the Webinar

Webinar Replay: Memory Trends 2025 & Beyond

On March 5 we held our first webinar in which we outlined Memory Trends in 2025 and beyond. We hope we provided valuable insights into the rapidly evolving semiconductor memory markets with our deep dives into DRAM and NAND flash technology trends.

Missed the event? Then watch the recording [here](#).

IS THIS NEW? WOW!

Check-Out our New Website

We are thrilled to present our new website! With a fresh design, improved navigation, and enhanced features, we've created a site that's even easier to use. Whether you're looking for information, products, or services, we've made everything more accessible than ever before.

Check it out today and let us know what you think!
[Our Website](#).

How do you like our monthly newsletter?

Let us know how we are doing and what topics you would like to read more about.

Stay in the know. Subscribe to our newsletter [here](#).

If you no longer wish to receive this mail you can unsubscribe [here](#) for free.

MEMPHIS Electronic GmbH

Visit our Website
info@memphis.de

© 2025 Memphis Electronic GmbH, All rights reserved

MEMPHIS

WE KNOW MEMORY