

LPDDR5 / 4X

Low-power, Fast Memory to Upgrade Smart Mobile Devices

Mobile DRAM is becoming faster and more power-efficient as the technology evolves from LPDDR4X to the latest LPDDR5 standard. Meeting the wide range of performance and package size requirements in mobile devices, SK hynix's mobile solutions come tailored to each customer's specific needs.

Product Details

LPDDR5

- High-speed and low-power memory for flagship smartphones and all performance-heavy applications
- Provides high capacity and performance for mobile devices at 1.05V of low power

Die Density	8Gb/12Gb
Speed	Up to 6400Mbps
Voltage	1.8V/1.05V/0.5V (VDD1/VDD2/VDDQ)
I/O organization	1ch x16
Package type	PoP / MCP / Discrete

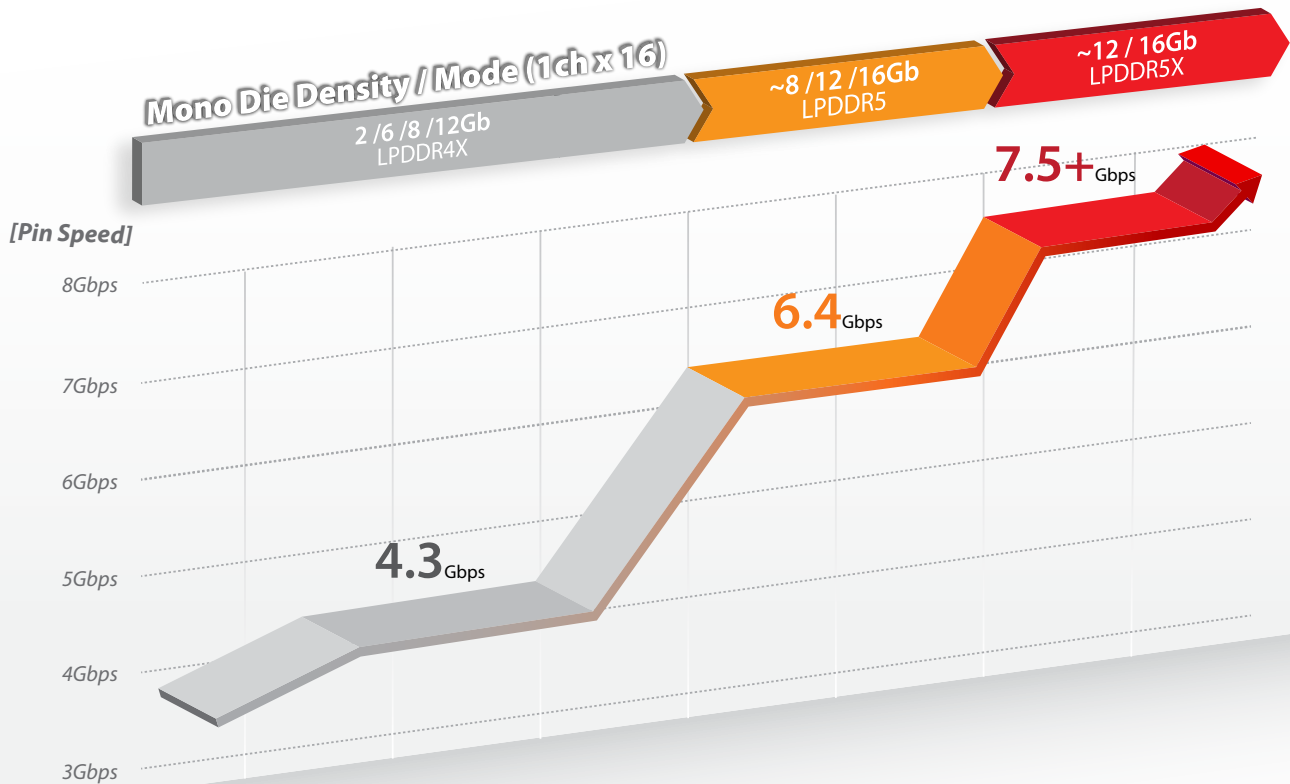
LPDDR4X

- High-speed and low-power memory for budget smartphones and diverse applications
- Improves power efficiency with IO power savings over LPDDR4

Die Density	4Gb/12Gb/16Gb/24Gb
Speed	Up to 4266Mbps
Voltage	1.8V/1.1V/0.6V (VDD1/VDD2/VDDQ)
I/O organization	2ch x32
Package type	PoP / MCP / Discrete

More to Expect

Demand for low-power mobile memory will only continue to grow as smartphone features become more advanced and wearable devices more diverse. In line with this trend, LPDDR will keep evolving towards higher densities and speeds using less power.



Use Cases

