

# Exhibit 18

# Exynos 5 Octa

## Exynos-Widcon processor

The Newly Introduced Widcon Technology Built on Exynos 5 Octa-core Processor

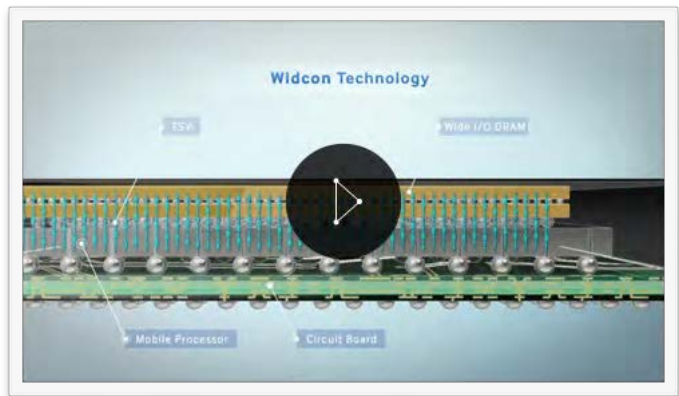
Exynos now extends to larger displays and heavier user scenarios whilst drastically reducing power consumption with the Widcon Technology by innovative TSV (Through Silicon Via). Through higher memory bandwidth, Exynos 5 Octa is able to maximize utilization of processing capability and save power consumption by up to 20%\* of total AP (Application Processor) and Memory system.

\* The above data is based on comparison to Exynos 5420 with LPDDR3 12.8GB/s memory bandwidth.

## What is Widcon Technology?

Previously, the circuit board between the application processor and memory meant that data had to move through wires when using Package-on-Package (PoP) technology. In the new package, the application processor and memory are stacked directly through TSV (Through Silicon Via) technology. This means data moves through each ball and the memory bandwidth improves to up to 17GB/s.

Using this structure offers better energy efficiency while higher bandwidth allows the application processor to use its maximum performance capabilities even at low clock speeds. Furthermore, superior thermal dissipation comes from the TSV structure enabling the new Exynos 5 Octa processor to maximize its full potential performance even with lower power consumption.



## Be Free from Concerns about Power and Heat to Enjoy More Life-like Display

The new Exynos 5 Octa with enhanced memory bandwidth enables more vibrant and detailed displays beyond Full HD, such as WQHD (2560x1440) on smartphones. This advancement overcomes hurdles such as power and thermal control for higher smartphone display resolution. This newly introduced technology provides 30% wider memory bandwidth, but saves power consumption up to 20% in real use cases. Exynos 5 Octa provides the highest display resolution on smartphones with lower power consumption.

## Experience Spectacular Adventure with Faster Data Processing Even on Tablets

The Widcon Technology ensures the enjoyment of enhanced life-like 3D gaming experiences at 30% faster data transfer speeds\* accelerated by the widest memory bandwidth of up to 17 GB/s. This enables high-end, complex 3D gaming and seamless graphical experiences on your mobile devices with longer playing times.

\* The above data based on comparison to Exynos 5420 with LPDDR3 12.8GB/s memory bandwidth.



## Don't Miss Your Precious Moments and Share Them with Your Friends Immediately

Exynos 5 Octa with Widcon Technology enhances users' experience, when using dual video recording enabled cameras. Increasing the speed of using a mobile camera's dual video recording capability is one of the ways in which Exynos 5 Octa can improve this popular method of sharing a once in a lifetime moment experience. This finest ability shows faster application launching time so that you would never miss important moments while turning on apps like Gallery and Browser.

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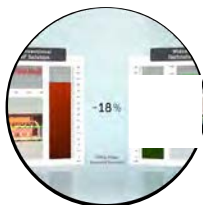


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