

SAMSUNG GALAXY S4 WITH 4G+

CATEGORY 4 LTE

To coincide with the launch of our 4G network, we are introducing a new variant of the Samsung Galaxy S4 that takes full advantage of our fast CAT4 LTE network. The Samsung Galaxy S4 with 4G+ will be sold alongside the regular Galaxy S4, so it's important to know the difference between them. Let's start with CAT4 LTE.

WHAT IS CAT4 LTE?

LTE is the international standard for 4G networks, but not all LTE networks are created equally. Just like HSPA (3G), LTE comes in different versions a.k.a. categories. Spark will be launching LTE with Category 4 but you'll need a compatible CAT4 device to take full advantage of these speeds. So what's the speed difference between these categories?

CATEGORY	1	2	3	4	5
MAX DOWNLOAD (Mbps)	10	50	100	150	300
MAX UPLOAD (Mbps)	5	25	50	50	75

As you can see, the different categories support different speeds. This applies to the network itself, but also the devices that are used on the network. Our new network is CAT4 capable, but to take full advantage you'll need a CAT4 device. If you're using a CAT3 device (even on a CAT4 network) the maximum theoretical download speed will be 100Mbps. i.e. the speed is limited by the 'slowest' component.

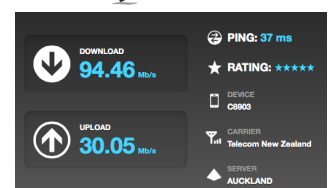


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The version of the Galaxy S4 introduced earlier this year is known as the i9505 and is capable of CAT3 LTE (100Mbps max download) only. To take full advantage of our CAT4 network, we are launching an additional version of the Galaxy S4 which is capable of CAT4 LTE (150Mbps max download) and is known as i9506!

The S4 (i9505) & S4 with 4G+ (i9506) will be sold side-by-side and look exactly the same, so it's important to understand what the differences are between them. In addition to the CAT4 speed increase, the i9506 also features a faster processor and faster graphics, so it should be a real hit with customers who demand the absolute latest in speed and specs. For the exact specification differences, see the table. (WARNING: non-techies might find the info slightly headache inducing)

	GALAXY S4 LTE	GALAXY S4 WITH 4G+	IN ENGLISH
LTE NETWORK	CAT3 100/50 Mbps	CAT4 150/50 Mbps	Faster Downloading
GPU	Adreno 330 (450Mhz)	Adreno 330 (550Mhz)	Faster Graphics
PROCESSOR	Qualcomm APQ8064T (Quad Krait 1.9Ghz) Snapdragon 600	Qualcomm 8974v2 (Quad Krait 2.3Ghz) Snapdragon 800	Faster Processor
MEMORY (RAM)	2GB LPDDR3 600Mhz	2GB LPDDR3 800Mhz	Faster Memory



Please make sure you set the correct expectations with our customers around LTE & CAT4 speeds. The speeds mentioned in this document are theoretical maximum speeds and as always there are several factors that can impact speed, like: network coverage & network load as well as the type of content that is being accessed. Overall though a CAT4 device should achieve higher average downloads speeds when compared to a CAT3 device.

OTHER CAT4 DEVICES

Although most of our current LTE devices are CAT3 capable, the new Samsung Galaxy S4 with 4G+ is not the only CAT4 capable device. Other CAT4 capable smartphones include the Sony Xperia Z1, Samsung Galaxy Note 3 and the upcoming Huawei P2. We'll also be receiving some data only CAT4 devices like the Huawei E5776 portable hotspot and the Huawei E8278 T-Stick.