

## 120Hz Display for Next OnePlus

Written by Frederick Douglas  
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OnePlus details the display inside the upcoming flagship smartphone from the company, presumably dubbed the OnePlus 8-- a Fluid Display featuring a 120Hz refresh rate, up from the 90Hz seen in the previous OnePlus 7 Pro.



Like the one in the OnePlus 7 Pro, the Samsung-made 120Hz Fluid Display consists of an AMOLED panel with peak brightness over over 1000 nits. It promises a longer lifetime, as well as a touch sampling rate of 240Hz and 10-bit colour. To take advantage of the 120Hz refresh rate, the OnePlus phone features hardware-based custom MEMC (motion estimation/motion compensation) technology to insert extra frames in 30/60fps video run at the much faster frame rate. The technology is similar to that found in high-end TVs, and it remains to be seen whether it brings about an unwanted "soap opera effect." Just in case, users can switch MEMC off in settings.

Of course, 120Hz smartphone displays are not new-- the ROG Phone 2 and Razer Phone 2 from 2019 both feature displays handling such a refresh rate. Rumours also suggest the upcoming Samsung Galaxy S series will also feature 120Hz refresh rates. That said, while 120Hz sounds good device makers have to keep in mind high-refresh displays tend to chew on

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battery life, even of OnePlus claims it has managed to elevate frame rates with low power consumption.

Little else is known about the upcoming OnePlus flagship. However one can safely assume it will have the latest Qualcomm processor, namely the Snapdragon 865, due to the fact the more powerful GPU is capable of 120fps output.

Go [Deep Dive: 120 Hz Fluid Display-- the Best You'll Lay Eyes on in 2020](#)