



MWC Shanghai 2019: A 5G Affair

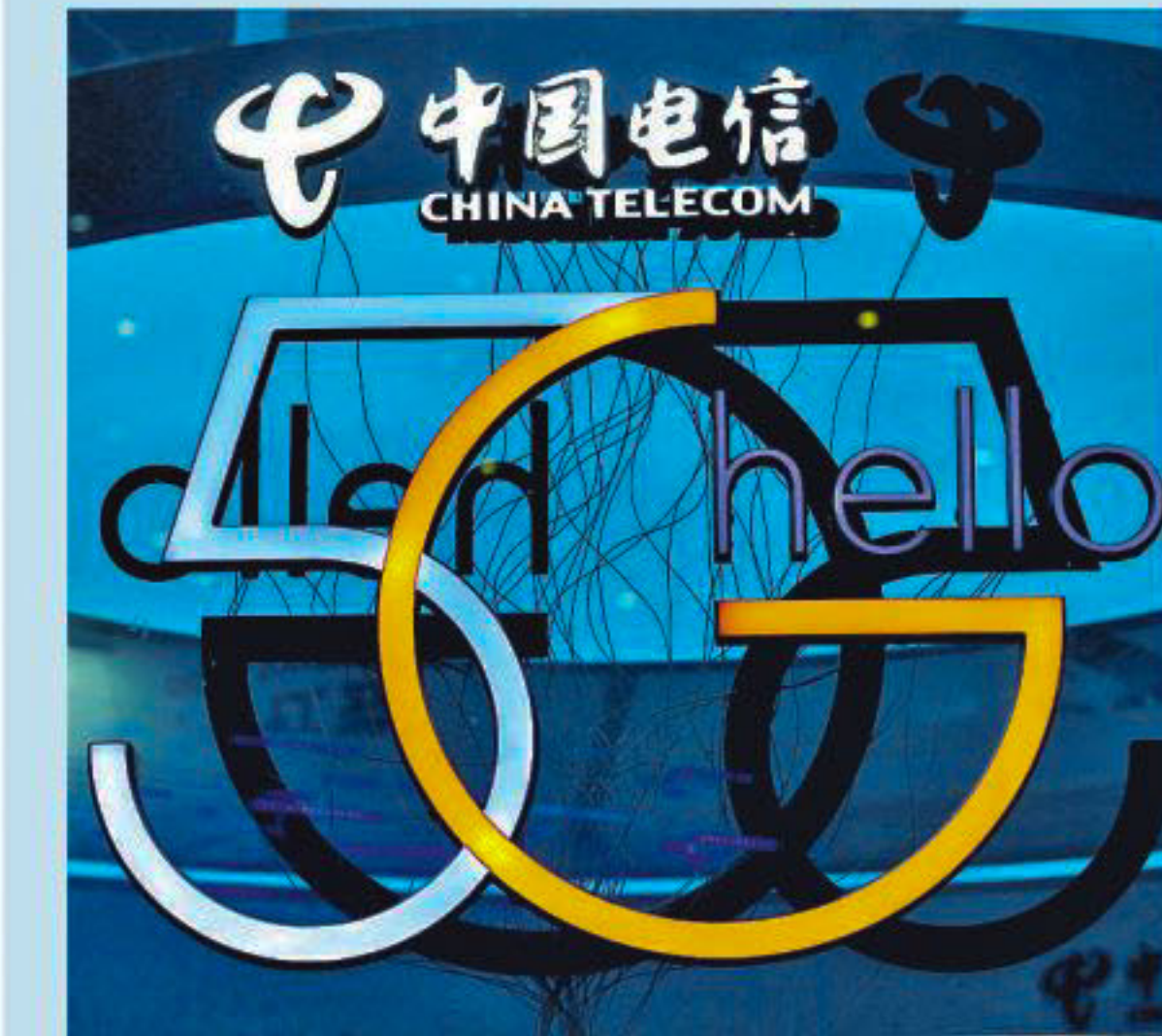
5G was at the centre stage of Mobile World Congress Shanghai 2019, Asia's leading event for next-generation technology – 5G, IoT, AI, big data and beyond. Started on June 26, 2019 this three-day long expo showcased innovations & technologies of the world's biggest tech players. Out of all the mind-boggling innovations and products, we handpicking the best of best stuff for you in this issue of BYTES:



OPPO unveils under display camera

One of the biggest unveil in Shanghai's expo was OPPO's smartphone with 'Under Display Camera'. To make sure the front screen remains free from

bezel, many smartphone manufactures has been trying to come up with an unconventional solution. But OPPO is the first smartphone brand to publicly unveil a smartphone that has its front facing camera beneath the display.



China Telecom demos 8K+ streaming

China Telecom showed an impressive 5G 8K+VR ultra-wide bandwidth demo during this year's expo. While South Korean telcos have started, Chinese telecom operators are still test transmitting ahead of launch. During the test transmission, 8K UHD signals were transmitted from the HQ of China Media Group in Beijing to display terminals at the venue of MWC in Shanghai.



Vivo 5G Smartphone with 120W charger

At this year's MWC 2019 Shanghai, Vivo has demonstrated its first ever 5G production ready smartphone. The top executives of the Chinese smartphone manufacturer have also announced that these 5G smartphones will be available from Q3 2019. Vivo also launched a super-fast 120W charger that can reportedly charge a 4,000 mAh phone in just 13 minutes.



Vivo AR Goggles

In a surprising turn of events, Vivo has got itself in the VR game with the launch of AR goggles. Although it's a prototype, Vivo plans to hook the relatively

lightweight AR headset with the smartphones for 6DoF tracking. No concrete timeline or pricing were announced at the MWC but industry experts believe it won't be this year.



Lenovo 5G laptops

Lenovo joined the 5G bandwagon when it first demoed a 5G laptop at this year's Computex. But at the Shanghai MWC, we got to see a production version of the 5G laptop. Powered by a 7nm Qualcomm Snapdragon 8cx chipset clocking at 2.75GHz paired with Snapdragon X55 modem, this 14 inch laptop was able to download content at a peak speed of 7Gbps.



Motorola P50 wasn't launched

Motorola P50, a rebranded version of Motorola One Vision, was one of the most anticipated devices that we were expecting to be launched in the Shanghai MWC 2019. To everyone's utter frustration the device wasn't launched despite many promotional posts online. Designed for mid-range Asian markets, P50 is suppose to be a big hit by Motorola.



Huawei's new 5G strategy

5G is what landed Huawei in hot waters with Trump administration, yet Huawei isn't backing out from the 5G race. In fact, its main focus is still "building a fully connected,

intelligent world" by harnessing the true potential of 5G. Huawei so far has signed more than 50 telecom operators and has shipped over 150,000 5G base stations.



ZTE TV Box

Getting in to the entertainment biz, Chinese telecom mammoth ZTE launched 8K (four times the resolution of 4K) TV box. Although this product is initially

introduced for Chinese market, the ZTE TV box equipped with 12nm quad-core 64-bit processor clocking at a 2.0GHz might be available to Asian markets soon.

Best new features of iOS13

iOS 13 released just a couple of days back and to the jubilation of Apple users, the new update has added some new privacy features and some much needed updates for Apple devices. iOS 13 is supported on iPhone devices up to

the iPhone 6 and these are the best new features of the update.

1. Dark Mode

Dark Mode has been the name of the game with the latest Android update and it's been the same case with iOS. Dark Mode is just as you would expect it and its hidden away under your Display and Brightness tab.

2. Reminders

The new and revamped Reminders app has taken away the sliding panels and list format and instead opts for filters for dividing up your reminders. The main four filters - All, Today, Scheduled and Flag will house the lists you had made.

3. Photos and Videos Tab

iOS 13 has cleaned up the gallery UI and has made it much easier to browse through your photos and videos. Apple also shows you old photos as memories with this update. The photos app organizes things a lot better and the new editing tool goes really deep.

4. Wi-Fi Shortcut

Perhaps the most welcome addition for Apple users is the



Wi-Fi shortcut. Before now, users would have to go to their settings menu to access list of Wi-Fi networks available but now they can do so from the Control Centre menu.

iOS 13 has already been released in America and if you have an American region iPhone then the update should already be available to you. But those with Asian region iPhones would have to wait just a little longer for the update to come to their iPhones and iPads.

Nintendo Switch: 2 years later

Back in the first quarter of 2017, Nintendo announced the Nintendo NX, an ambitious product that was meant to revolutionize portable gaming. The device was aptly named the "Switch" because of its capability to easily switch between portable or docked mode onto the big screen. And so far, it hasn't failed to impress. With a slew of brilliant exclusives, the Switch has spread all over the globe. However, two years in and the handheld hybrid hasn't come without its fair share of problems.

The Nintendo Switch is an innovative piece of hardware, unique to the Nintendo formula. Nintendo's creative team have really taken the time to make the Switch its own yet different from any other console out there. With removable controllers and Nintendo's partnership with 3rd party firms, there is no limit to the types of accessories available for the Switch. Don't like the red and blue joy-cons? Get them in black, grey, yellow, pink, purple etc. Get some joy-cons with your favourite Nintendo game's design etched onto them. Or change the shape entirely with ones that have a grip. You can even get Bluetooth dongles that allow you to use whichever controller you want, be it PS4, Xbox or Nvidia Shield. You can get cases that make the switch look a little classier, like a leather case, or shinier with a metallic cover. The customization options feel limitless.



The exclusives on this device more than justify its cost. The switch released with its own version of The Legend of Zelda: Breath of the Wild. And that game is massive with a capital B. With a jambalaya of Mario games and over 20 more titles announced in this year's E3, the switch isn't going to be devoid of content anytime soon.

There are however, some essentials that Nintendo fail to meet when it comes to online gaming. Even though the servers are solid and it as much lag free as the next console, the voice chat function is simply weird. You have to download an app which isn't available for our beloved nation and requires other methods to download. And you can voice chat only through that app. It

will be your means of communication. Another issue is the lack of cloud saves. Due to competitive nature of Smash Bros and Splatoon, Nintendo has excused themselves from employing cloud saves. So, if your switch breaks, there goes your 400 hours of Zelda.

Currently, Bangladesh has over 5,000 switch users bungling about. It might not seem like much but it's only been 2 years. As more releases come out for the device, more people will indulge in the snappy new console. "It warms up to you." Says Shayan Hussain, a fellow Switch owner. "It's portable, durable, and I can play Zelda and Mario when I'm lying in bed! What more do you need?"

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