

A hand holding a smartphone is shown against a dark background. Overlaid on the image is a glowing network diagram consisting of white nodes connected by lines, with some nodes emitting a warm orange glow. In the center of the network, the letters '5G' are displayed in a large, white, sans-serif font. The overall aesthetic is futuristic and technological.

# 5G

**5G Ecosystem:  
Executive Summary**  
November 2021

**GSA** 

## Executive Summary

### Key facts

**The number of announced 5G devices continues to rise and has now reached 1115, an increase of 18.9% in the last quarter. Of these devices, 67.7% are understood to be commercially available. The number of commercial 5G devices has grown by 24.2% over the last three months passing 750 for the first time, to reach a total of 755 devices understood to be commercially available.**

#### By end-October 2021, GSA had identified:

- twenty-two announced form factors.
- one hundred and sixty-five vendors who had announced available or forthcoming 5G devices.
- one thousand, one hundred and fifteen announced devices (including regional variants, but excluding operator-branded devices that are essentially re-badged versions of other phones), including 755 that are understood to be commercially available:
  - five hundred and fifty phones (up 27 from September), at least 491 of which are now commercially available (up 32 in a month).
  - one hundred and ninety FWA CPE devices (indoor and outdoor), at least of which 90 are now commercially available.
- one hundred and fifty-six modules.
- seventy-one industrial/enterprise routers/gateways/modems.
- forty-eight battery operated hotspots.
- twenty-five tablets.
- twenty laptops (notebooks).
- eleven in-vehicle routers/modems/hotspots.
- eight USB terminals/dongles/modems.
- thirty-six other devices (including drones, head-mounted displays, robots, TVs, cameras, femtocells/small cells, repeaters, vehicle OBUs, a snap-on dongle/adaptor, a switch, a vending machine and an encoder).
- six hundred and twenty-seven announced devices with declared support for 5G standalone in sub-6 GHz bands, 434 of which are commercially available.

Not all devices are available immediately and specification details remain limited for some devices.

We can expect the availability of devices to continue to improve and for more information about announced devices to emerge as they reach the market. Based on vendors' previous statements and recent rates of device release, we might expect to see the number of commercial devices surpassing the 820 mark by the end of Q4 2021. GSA will be tracking and reporting regularly on these 5G device launch announcements. Its GAMBoD database contains key details about device form factors, features and support for spectrum bands. Summary statistics are released in this regular monthly publication.

**Figure 1: Growth of 5G devices (announced and commercially available)**

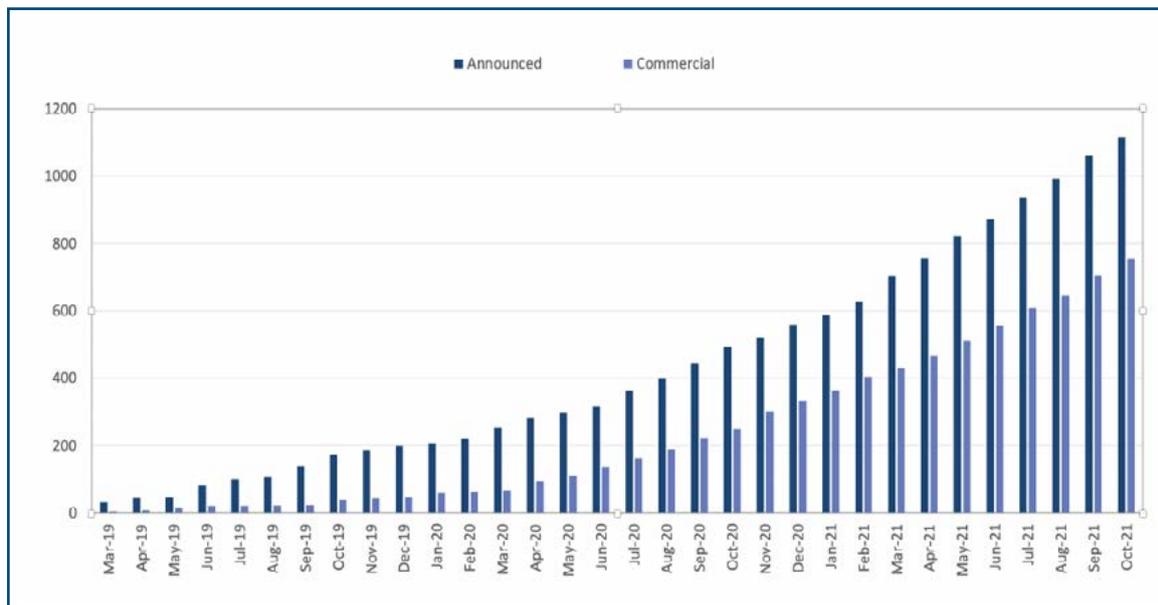
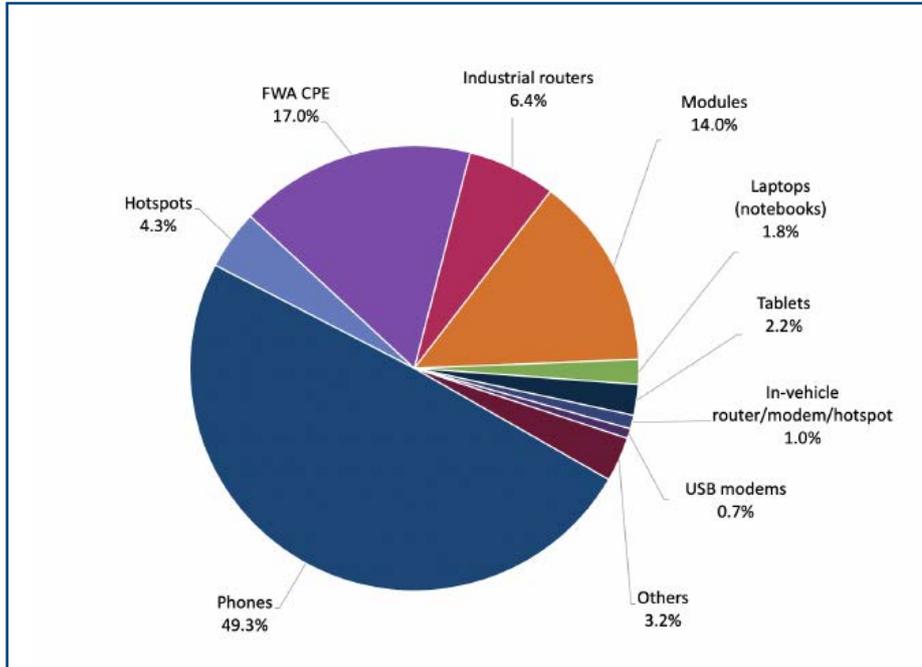
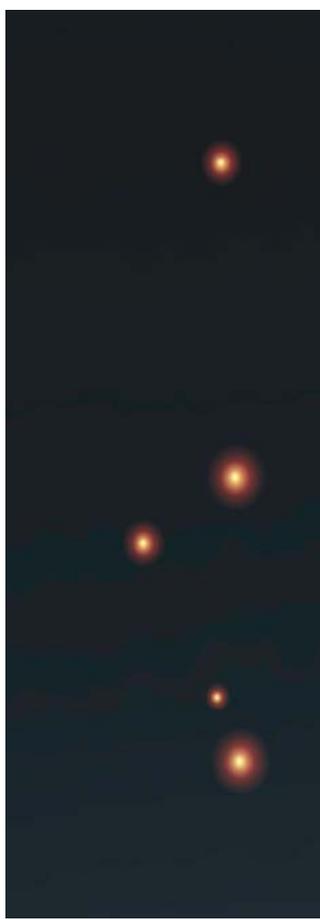




Figure 2: Announced 5G devices, by form factor



Forty-eight vendors have now produced, or announced plans to produce, 5G phones. Meanwhile, 68 vendors have now produced or announced plans to launch their own indoor or outdoor 5G FWA CPE devices.



# ABOUT GSA

GSA is the voice of the global mobile ecosystem and has been representing mobile suppliers since 1998.

## **GSA GAMBoD Database**

Reports are based on data contained in the GSA GAMBoD databases which is a resource available to GSA Members and Associates. Companies and policy makers can subscribe as a GSA Associate to the database to gain insights into the source data behind reports for their own research purposes.

Discounted annual subscription are available to regulators, government agencies and mobile operators.

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