



Samsung is Leading the Industry with New Standards in Wi-Fi Connectivity

Galaxy Note10 the first smartphone to be announced Wi-Fi CERTIFIED 6™ by the Wi-Fi Alliance

SEOUL, Korea – September 16, 2019 – Samsung Electronics Co., Ltd. today announced that the Galaxy Note10 has been named by Wi-Fi Alliance as the first smartphone to be certified for a new standard in connected technology, Wi-Fi 6.

“As a pioneer in new mobile experiences Samsung is proud to be announced as one of the first companies to hold the Wi-Fi CERTIFIED 6™ accreditation,” said Inkang Song, Vice President and Head of Technology Strategy Group of IT & Mobile Communications Division at Samsung Electronics. “The Galaxy Note10 is one of our flagship devices and the first smartphone classified Wi-Fi CERTIFIED 6™. Along with the Galaxy S10 we’re thrilled to bring W-Fi 6 to our loyal customers.”

Wi-Fi 6 enabling new mobile experiences

Wi-Fi is a critical piece of infrastructure required to enable the proper function of a growing number of both consumer and commercial devices. From televisions and appliances to security and communication systems, the expectations for everything, and everyone, to be connected is growing. Wi-Fi Alliance has led the development of industry agreed standards for devices for many years. With the launch of Wi-Fi 6 this year, a new certification has been launched to ensure that the highest possible standards are continuously met.

Wi-Fi 6 technology is building on the performance of previous Wi-Fi generations and is the latest technology to be launched from the Institute of Electrical and Electronic Engineers (IEEE). Wi-Fi 6 will operate in the 2.4 and 5 GHz bands, offer greater capacity than previous generations and double the number of spatial streams. Devices certified by Wi-Fi Alliance, classed as “W-Fi CERTIFIED 6™”, will deliver new capabilities for people in a range of situations.

- Wi-Fi 6 will allow family homes to better stream high-definition entertainment, simultaneously manage the connected home and efficiently support multiple devices.
- Outside, Wi-Fi 6 will improve connectivity in high population areas and provides a more consistent service as people move around towns and cities.
- In the enterprise, this new technology will enable greater automation and more advanced capabilities in healthcare monitoring and e-learning as well as continuing to handle large numbers of users and high volumes of data.

Samsung mobile devices with Wi-Fi CERTIFIED 6™ will bring more reliable performance even in challenging environments¹. This is achieved through a number of the key features of Wi-Fi 6 technology. For example:

¹ <https://www.wi-fi.org/discover-wi-fi/wi-fi-certified-6>

- Uplink and downlink Orthogonal Frequency Division Multiple Access (OFDMA) increases efficiency and lowers latency for high demand environments. This enables the Samsung Note10 to have stable connectivity in environments with many connected devices.
- Target-Wakeup Time (TWT) improves power efficiency in Wi-Fi CERTIFIED 6™ devices, including the Galaxy Note10. Because the TWT schedules transmission time between the Galaxy Note10 and the access point, it allows the Galaxy Note10 to manage its power efficiently until the predetermined wake-up time.
- Multi-User Multiple-Input, Multiple-Output (MU-MIMO) allows more data to be transferred at one time, enabling access points to handle larger numbers of devices simultaneously when the Galaxy Note10 is connected to Wi-Fi 6.

As a result of close collaboration with Wi-Fi Alliance, Galaxy Note10 and Galaxy S10 have offered Wi-Fi 6 connectivity from the launch. It gives users faster and seamless Wi-Fi connection in crowded areas, and powers high-quality video calls as well as high-definition streaming without slowing down.

For more information about the Galaxy Note10 and Wi-Fi 6 visit the [Samsung Newsroom](https://www.samsung.com/newsroom) or <http://www.samsung.com/galaxy>.

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