

ID Quantique and SK Telecom unveil the Samsung Galaxy Quantum2, the newest QRNG-Powered 5G smartphone

The new Quantum-Powered smartphone features an even wider range of embedded secured applications.

GENEVA, GENEVA, SWITZERLAND, April 13, 2021 /EINPresswire.com/ -- ID Quantique (IDQ), the world leader in quantum-safe security solutions, and SK Telecom (NYSE:SKM), Korea's Telecom giant, today announced the release of the 'Galaxy Quantum2', the second smartphone equipped with quantum technology, designed to protect customers' information.

With features matching those of Samsung's flagship smartphones – i.e. a 6.7-inch display, 64MP camera, Qualcomm Snapdragon 855 plus chipset, etc. – along with strengthened quantum cryptography technology, the Galaxy Quantum2 will be a new choice for customers who value both performance and security.

Like its predecessor the Galaxy A Quantum, the Galaxy Quantum2 is equipped with the [world's smallest quantum random number generator \(QRNG\) chipset](#) measuring 2.5mm by 2.5mm developed by ID Quantique, SKT's strategic partner in quantum cryptography communication technology. This QRNG chipset enables trusted authentication and encryption of information and allows smartphone holders to use



Samsung Galaxy Quantum2



Quantum Security for the Samsung Galaxy Quantum2



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Grégoire Ribordy, CEO and co-founder of ID Quantique

applications and services in a safer and more secure manner by generating unpredictable and patternless true random numbers.

The Galaxy Quantum2 provides a differentiated security experience to customers. The native integration of the QRNG chip into the Android Keystore (APIs) automatically enhances the security of a large number of services used on the smartphone.

For instance, SKT’s services like T-World, PASS and T-Membership, as well as many other services such as

KakaoTalk and Shinhan Card will be secured through the use of QRNG enhanced cryptography offering a much higher level of trust to the users.

Going forward, SKT plans to further expand QRNG-enabled services to include those provided by financial companies like Samsung Card and SKT’s music streaming service FLO and video ringback tone service V Coloring.

ID Quantique and SK Telecom have been working together since 2016 developing quantum technologies for the telecom and IoT markets. Last year, they launched the World’s 1st Quantum-powered 5G smartphone, the first mass market application of quantum technologies.

“With the Galaxy Quantum2, we have successfully expanded the application of quantum security technologies to a wider variety of services including financial and security services” said Han Myung-jin, Vice President and Head of Marketing Group of SK Telecom. “Our efforts will continue to keep expanding services that are safely and securely provided via the Galaxy Quantum2.”

“Security is a top concern for users; at the same time mobile operators are looking to generate new revenue streams” says Grégoire Ribordy, CEO and co-founder of ID Quantique. “The Galaxy Quantum2 includes more quantum-secured applications than ever before, bringing applications and services to a new level of security in the mobile phone industry.”

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