



Press Release

Geneva, July 23rd 2020

ID Quantique integrates its quantum chip in Vsmart Aris 5G Smartphone

ID Quantique (IDQ), the world leader in quantum-safe security solutions, today announced that its newest Quantum Random Number Generator (QRNG) chip has been integrated in the 'Vsmart Aris 5G' smartphone.

ID Quantique's [Quantis QRNG security chip](#) embedded in Vsmart Aris 5G uses quantum physics principles to create truly random and totally unpredictable sequences of numbers which enhances the safety and security of user data on the phone, especially sensitive data such as banking, medical or personal finance information. It delivers a unique differentiation by providing a much higher level of trust to users, and is the basis for new revenue streams especially in combination with e-sim and quantum secured datacenters.

Grégoire Ribordy, co-founder and CEO of ID Quantique said: *"With its compact size and low power consumption, our latest Quantis QRNG chip can be embedded in a smartphone to ensure trusted authentication and encryption of sensitive information. It brings a new level of security to the mobile phone industry. This is truly the first mass market application of quantum technologies."*

Tran Minh Trung, Deputy CEO of VinSmart said: *"Implementing ID Quantique QRNG in the Aris 5G smartphone is part of getting VinSmart customers access to the most advanced technology in the world. This breakthrough in terms of quantum enhanced security technology offers benefits for services including banking, medical data and personal information. In the near future, Vinsmart will continue to research and perfect the next-generation of its 5G offering to accelerate the universalization of this technology in VietNam."*

The 5G era could establish a hyperlink with 43 billion devices over wireless network in 2026. With a low level of consuming energy, IDQ's QRNG micro chip can be embedded in every smartphone, transmission device, or IoT to ensure reliable authentication and encryption of sensitive information.

IDQ was the first company to develop a quantum random number generator (QRNG) in 2001 and it is the top leading company in the market for quality and reliability. IDQ is actively developing QRNG products to provide customers in various fields such as automobiles, electronic consumption, computers, mobile phones, finance, and games.



About VinSmart

VinSmart is a member of Vingroup Joint Stock Company - one of the biggest private conglomerates in Asia. Vingroup's market capitalization is approximately 16 billion US dollars, operating on 03 core businesses of: Technology, Industrials, Property & Services.

VinSmart Research & Manufacturer Joint Stock Company was established in June 2018 to enter smart device manufacturing and will start with smartphones with the brand VSmart. As a member of Vingroup, VinSmart's mission is to become a technology company in global scale, creating electronic products, smart technology certified with global quality, while applying artificial intelligence (AI) and connecting all devices on IoT platform.

VinSmart Company commits to progressive creativity and innovation in organizing an integrated technology ecosystem, in order to bring a modern and better life for Vietnamese and global citizens. VinSmart is targeting to deploy its full 5G portfolio in 2020 by continuing to build strategic partnerships with biggest global brands and prepare for global launch into Asia, North America and Europe.

About ID Quantique

Founded in 2001 as a spin-off of the Group of Applied Physics of the University of Geneva, ID Quantique is the world leader in quantum-safe crypto solutions, designed to protect data for the future. The company provides quantum-safe network encryption, secure quantum key generation and Quantum Key Distribution solutions and services to the financial industry, enterprises and government organizations globally. IDQ's quantum random number generator has been validated according to global standards and independent agencies, and is the reference in highly regulated and mission critical industries – such as security, encryption, critical infrastructure and IoT – where trust is paramount.

Additionally, IDQ is a leading provider of optical instrumentation products, most notably photon counters and related electronics. The company's innovative photonic solutions are used in both commercial and research applications.

IDQ's products are used by government, enterprise and academic customers in more than 60 countries and on every continent. IDQ is proud of its independence and neutrality, and believes in establishing long-term and trusted relationships with its customers and partners.

For more information, please visit www.idquantique.com.

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