

## **Sequans Delivers Industry's First Common Criteria EAL5+ Certified Cellular IoT Platform**

- ***Monarch 2 now the first LTE-M/NB-IoT chip to pass Common Criteria testing for highest level CC EAL5+ security certification***
- ***Proven full iSIM solution powered by Kigen SIM OS with remote SIM provisioning now available***
- ***Operating now with leading global operators in USA and Europe***
- ***Evaluation kits available today***

**PARIS, France – December 6, 2021** – Sequans Communications S.A. (NYSE: SQNS), leading provider of cellular IoT connectivity solutions, announced that the industry's first GSMA-compliant integrated SIM (iUICC) is now Common Criteria certified and available on its second generation LTE-M/NB-IoT chip, Monarch 2.

Integrated SIM, whereby the SIM is integrated directly into the chip, is virtually exempt from tampering, providing a powerful security advantage for those IoT applications in utilities, healthcare, banking, or retail, where security is of paramount importance. The availability of Monarch 2 with integrated SIM represents a much anticipated and important capability in IoT, and one that is expected to have a profound impact on enabling IoT on a massive scale. Beyond iUICC, Monarch 2 enables highly secured data ciphering and encryption leveraging the now-certified secure enclave (using the GSMA standard "IoT Safe" or other solutions). Monarch 2 with integrated SIM also enables significant advantages in reduced power consumption, size, and cost.

Sequans collaborated with Tiempo Secure, a leading provider of security IP for semiconductor design companies, and Kigen, a global provider of the SIM operating system with remote SIM provisioning, to bring the full iSIM solution on its chip to market. Sequans collaborated with Tiempo who handled the certification work with CEA-LETI, where Monarch 2's CC EAL5+ Common Criteria security rating was tested and proven. Sequans and Kigen demonstrated Monarch 2's iSIM capabilities using Kigen's advanced SIM OS with key customers and operators. Sequans' Monarch 2 with integrated SIM is today sampling with select customers on tier 1 operator networks in USA and Europe.

"We have reached a major milestone with this new and powerful iSIM capability in Monarch 2 that takes the vision of massive IoT from an exciting possibility to a present-day reality," said Georges Karam, Sequans CEO. "We are grateful to Kigen and Tiempo for their contributions that have helped us provide our IoT customers with an iSIM solution from which they can reap huge benefits in streamlined logistics, manufacturing, and provisioning—and one that is truly future-proof. All who are engaged in Common Criteria certification knows that the process is inherently complex and challenging, but we were determined to achieve it since we understand the need of our customers for unassailable security for their IoT applications."

"Monarch 2 is one of the most advanced IoT platforms and the only LTE-M/NB-IoT chip with such a high level of integrated security," said Serge Maginot/CEO, Tiempo. "Passing Common Criteria EAL5+ certification with such a complex chip integrating our secure element IP is a world-first achievement and proves that Monarch 2 with its GSMA-compliant integrated SIM is a first-class solution."

"Integrated SIM delivers significant reduction in size and silicon footprint in addition to enhancing security," said Vincent Korstanje, Kigen. "We are proud that Kigen's iSIM OS with Remote SIM

provisioning now allows customers to address the most security critical applications on the IoT market with the CC EAL5+ certified Monarch 2 SoC.”

“The high level of security Sequans has achieved with the EAL5+ certification on Monarch 2 will surely speed-up the iSIM adoption in IoT devices,” said Cameron Coursey, vice president, IoT Solutions, AT&T. “It is very clear that SIM security available on-chip will have a tremendous effect on accelerating the IoT market.”

“Sequans made a smart decision with their standards-based approach to iSIM in Monarch 2,” said Amanda Huang, senior product manager of Intelis Cellular water meter at Itron. “We see the value of having such an approach in the ecosystem to provide simpler manufacturing, which will help Itron to increase operations management efficiency while streamlining the supply chain.”

According to ABI Research, the next five years of cumulative shipments of eSIM/iSIM devices will hit the 3.8 billion mark.

“Standardization and certification will be key in unlocking eSIM/iSIM functionality and its subsequent market opportunity,” said Phil Seely, research director at ABI Research. “First movers like Sequans understand the importance of standardization and its significant role in enabling true end-to-end digitization. Sequans and its Monarch 2 solution with CC EAL5+ certification for full GSMA-compliant iUICC support is a great example of this and it will help bring eSIM/iSIM and its functionality to the masses.”

Evaluation kits for testing Monarch 2 with iSIM using select mobile network operator profiles are now available. Contact [sales@sequans.com](mailto:sales@sequans.com) for more information.

### **About Sequans**

Sequans Communications S.A. (NYSE: SQNS) is a leading developer and provider of cellular IoT connectivity solutions for massive and broadband IoT. For 5G/4G massive IoT applications, Sequans provides a comprehensive product portfolio based on its flagship Monarch LTE-M/NB-IoT and Calliope Cat 1 chip platforms, featuring industry-leading low power consumption, a large set of integrated functionalities, and global deployment capability. For 5G/4G broadband IoT applications, Sequans offers a product portfolio based on its Cassiopeia Cat 4/Cat 6 4G and high-end Taurus 5G chip platforms, optimized for low-cost residential, enterprise, and industrial applications. Founded in 2003, Sequans is based in Paris, France with additional offices in the United States, United Kingdom, Israel, Hong Kong, Singapore, Finland, Taiwan, South Korea, and China. Visit Sequans online at [www.sequans.com](http://www.sequans.com).

### **[Forward Looking Statements](#)**

Sequans media relations: Kimberly Tassin (USA), +1.425.736.0569, [kimberly@sequans.com](mailto:kimberly@sequans.com)

Sequans investor relations: Kim Rogers (USA), +1.385.831.7337, [kim@haydenir.com](mailto:kim@haydenir.com)