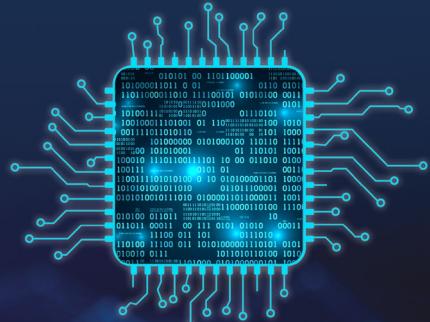


IP & Services

Silicon & Software IP

Intellectual Property for Advanced RF & IoT Semiconductors



Sequans is a leading provider of 5G cellular IoT solutions and offering a comprehensive portfolio of semiconductor Intellectual Property (IP) and engineering services. With over a decade of experience and a strong track record in Cellular IoT and 5G innovation, Sequans enables semiconductor companies, module vendors, and wireless device manufacturers to accelerate time-to-market and deliver cutting-edge IoT products.

Sequans' IP and services are trusted not only across the IoT industry, but also in aerospace, defense, and industrial applications — driving performance, reliability, and scalability in mission-critical deployments.

Core IP Portfolio

At the heart of Sequans' solutions is a robust IP suite, optimized for low power, high efficiency, and global scalability, with :

- + **Advanced RF Transceiver and Analog Silicon IP**
- + **Modem and SoC IP based on Sequans' cutting-edge 5G RedCap and eRedCap technologies**
- + **Carrier-grade 5G Protocol Stack**

Rather than a one-size-fits-all approach, Sequans' IP can be leveraged through tailored business models — from licensing to deeper collaborations — enabling partners to embed proven technology into their own devices or SoCs.

Engineering Services

Sequans offers a range of expert services to support partners throughout the product lifecycle—from concept to certification. These services are designed to reduce development risk, accelerate deployment, and ensure seamless operation across global cellular networks.

Trusted by Industry Leaders

Sequans' IP powers some of the world's most innovative solutions. Industry leaders and Fortune 500 companies rely on Sequans technology to deliver high-performance, scalable 5G and RF products.

Highlights

- + Proven IP and technology trusted by Tier-1 players
- + Deep expertise in cellular system design
- + Flexible engagement models: IP licensing, joint development, turnkey solutions
- + Strategic Western IP supplier with full control over roadmap
- + From a fully integrated hardware/software 5G SoC to flexible, à la carte licensing

Silicon & Software IP

Core IP

RF Transceiver Silicon IP

Multi-carrier RF transceiver

- + TSMC 22nm Ultra Low Leakage
- + Up to 10 synthesizers
- + Up to 4Tx/20Rx
- + 220-7125MHz
- + Up to 200MHz bandwidth
- + Baseband interface: JESD204C, DigRFv4

Single-carrier RF transceiver

- + TSMC 22nm Ultra Low Leakage
- + 1Tx/1Rx, 1Tx/2Rx, 2Tx/2Rx options
- + 450-5000MHz
- + Up to 20MHz bandwidth
- + Baseband interface : JESD204C, RBDP, LVDS

SoC and Modem IP

5G RedCap L1 modem IP

- + 3GPP release 18
- + 220Mbps/120Mbps DL/UL throughput
- + LTE Cat 4 fallback option
- + 2Rx or 1Rx option
- + Digital JESD204C/JESD207
- + Data interface : (HAL) Hardware Abstraction Layer

5G eRedCap L1 modem IP

- + 3GPP release 19
- + 10Mbps/10Mbps DL/UL throughput
- + LTE Cat 1bis fallback option
- + Digital JESD204C/JESD207
- + Data interface : (HAL) Hardware Abstraction Layer

Protocol Stack Software IP

5G RedCap L2/L3 protocol stack IP

- + 3GPP release 18
- + Cat 4 LTE interRAT option
- + Data interface : virtual network interface for data communication
- + Compliant with TTCN test

5G eRedCap L2/L3 protocol stack IP

- + 3GPP release 19
- + Cat 1bis LTE interRAT option
- + Data interface : virtual network interface for data communication
- + Compliant with TTCN test

Engineering Services

- + Expert Support for Integration, Customization, and Optimization
- + Custom SoC Design and Packaging leveraging Sequans IP
- + Certification Support (FCC, RED, PTCRB, GCF, and more)
- + Lab Services: Access to advanced RF and protocol testing equipment, plus expert guidance for integration, customization, and performance optimization

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