



SUMMA
NETWORKS

Next Generation HSS & HLR for 2G / 3G / 4G / 5G and IoT

summanetworks.com

Summa Networks develops and delivers state-of-the-art tele- com products that ensure carrier-grade performance. Summa Networks' unique NextGen HSS reaches further than current HSS solutions and can be seamlessly deployed in-house and in Cloud environments. It enables smooth interworking between 3G, 4G, 5G thanks to LTE HSS, IMS HSS, HLR, UDR/UDM implemented in single piece of software.

Other features of the solution, as well accessible as standalone products are DNS/ENUM, AAA, EIR, VoLTE/VoWiFi enablement... In a solution that can be flexibly deployed in public or private cloud, cloud native, virtualized environments or classical bare-metal.

Summa Networks is member of the European Association of Next Generation Telecommunications Innovators EANGTI, striving to foster innovation in the European telecom space and are looking forward to together increasing awareness around the capabilities of the European SME ecosystem to play a significant role in deploying and operating 4G / 5G networks.

Summa Networks, the next generation solution for your HSS/HLR

When it comes to having your own HSS and HLR system, it is essential to find the provider with a complete state-of-the-art solution that offers a flexible licensing model.

Summa Networks offers a complete solution through our NextGen HSS.

Our carrier-grade HSS/HLR software allows seamless migration and interworking and delivers significant feature and cost advantages over traditional products to both small and large service providers.

It is the only product on the market that delivers such a complete package of features and is future-proof, cloud deployable and based on open standards.

It offers you a transparent and scalable solution that grows with your business success.

NextGen HSS®



LTE HSS, IMS HSS, HLR and UDR/UDM in a single piece of software.



Smooth interworking or transition between 3G and 4G and different networks thanks to the presence of HSS and HLR in a single environment.



Deployable in a cloud environment and NFV ready.



Flexible and adaptable to the needs of the customer. We work on Open roadmap principles.



Transparent pricing to control total TCO. No feature redundancy and no trap into low price and expensive extensions.



Extensible and expandable framework to develop ad-hoc features.



Based on open standards and opens source solution to offer a cost-conscious carrier-grade solution. From thousand to millions of subscribers.

Single software solution for HSS, HLR, AuC, EIR, DNS/ENUM and SLF

The Summa HSS product is a multi-profile subscriber management system designed with an objective to consolidate all the information (or profiles) of a mobile subscriber. It enables the operator with centralization of subscriber information/data in one logical place and convergence of subscriber's registration, authentication and call termination at the core of the network, regardless of the access technology.

The Summa HSS product combines a Home Location Register (HLR) and a Home Subscriber Server (HSS) in one product. Our product includes an integrated Authentication Centre (AuC) all running on a scalable, dynamic and secure system and within a single subscriber management platform. Due to this combined product implementation it enables a range of innovative solutions such as advanced low-cost roaming, fixed operator IMS deployments, or enabling VoLTE and VoWiFi in combination with an IMS-core and LTE Radio infrastructure from any product vendor.

The Summa NextGen HSS enables the creation and management of a single subscription with an unlimited number of profiles:

- + Home Subscriber Server (HSS) for LTE Data
- + Equipment Identity Register (EIR)
- + Subscriber Location Function (SLF)
- + Home Subscriber Server (HSS) for IMS Voice
- + Home Location Register (HLR) and Authentication Center (AuC) for 2G/3G

The HSS and HLR functions share a single data repository, which provides convergence of subscription-related information (subscriber profiles), authentication, subscriber location and IP information.

NextGen HSS®



Benefits

The Summa NextGen HSS offers service providers a carrier grade software product that combines HSS and HLR in a single solution. It features a transparent license model that scales with your business.

Summa provides an excellent alternative for service providers facing the typical barriers of the traditional HLR and HSS products:

- + Complete offering for GSM, UMTS, LTE, IMS, Wi-Fi and M2M networks.
- + Designed for scalability from scratch, can accommodate millions of subscribers for MNOs thus as well affordable, designed to be cost effective also for smaller operators, MVNO's, P-LTE cores.
- + No pricing and scalability barriers typical for traditional HSS products.
- + Robust, carrier grade solution, N+1 scalable, high available, geo-redundant.
- + Convergence of subscriber information across access networks.
- + Support for multi-SIM, multi-IMSI, multi-MSISDN, multi-HPLMN/country, multi-profile and virtual routing instances.
- + Single software solution for HSS, HLR, AuC, EIR and SLF.
- + Single subscription with unlimited number of profiles.
- + Multi-tenant solution to support multiple user types/groups.
- + Software based, supports NFV and cloud deployment.