

Datasheet
January 2024

VoLTE IMS Solution Comprehensive Datasheet

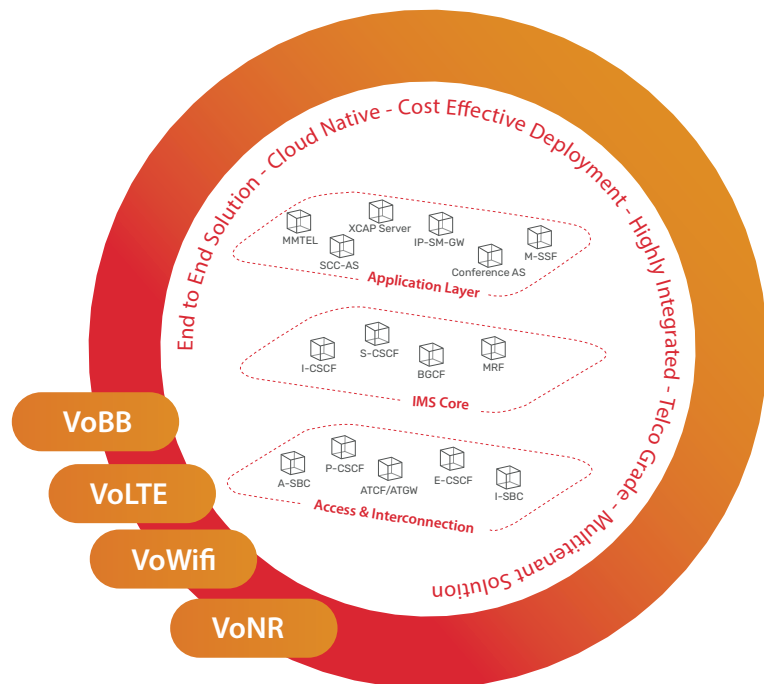


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Introduction

Discover unparalleled communication proficiency with our VoLTE IMS Solution. Tailored for businesses from Tier-1 to Tier-3 Communication Service Providers (CSPs), our offering

is a testament to innovation, fostering cost-efficiency, rapid service deployment, and universal adaptability in the dynamic telecom landscape.



What We Offer:

· Cost Efficiency: Our IMS solution revolutionizes cost structures through a flexible licensing model, empowering you to select only the services and features essential to your operations, ensuring significant savings and investment optimization.

· Optimized Capex and Opex: We redefine financial efficiency by optimizing capital and operational expenditures, enabling strategic allocation of financial resources to foster sustainable growth and improved service delivery.

· Rapid Service Deployment: Our cloud-native architecture, characterized by its microservices-based and stateless design, facilitates quick market entry and agility in service adaptation, ensuring you stay ahead of the competition.

· Universal Compatibility: Our solution is a beacon of continuity, offering seamless interoperability across a spectrum of devices and network technologies, from legacy 2G to the latest 5G innovations, including VoLTE, VoNR, VoWiFi, VoBB, and beyond.

- **Advanced Multi-Protocol**

Interworking: Featuring sophisticated scripting capabilities, our IMS solution bridges diverse protocols, enhancing connectivity and service quality for a superior user experience.

- **Effortless Management:** The IMS platform streamlines the complexity of communication service management, providing tools and interfaces that respond with agility to fluctuating market conditions.

- **Scalability, Security, Reliability, and**

Flexibility: Our solution is engineered to scale with your growth aspirations, fortified with robust security measures to safeguard your operations, and built to deliver unwavering service reliability and flexibility, accommodating evolving business needs.

How We Achieve Excellence:

- **Flexible Licensing Model:** We offer a modular approach to service acquisition, allowing your business to scale up or down based on real-time market demands, ensuring cost-effective expansion and adaptation.

- **Cloud-Native Innovation:** The adoption of a cloud-native framework underpins our IMS solution, promoting rapid deployment, high availability, and unprecedented scalability, thanks to the microservices and stateless constructs.

- **Telco-Grade Assurance:** Our solution pledges to meet and exceed the rigorous demands of the telecom industry, offering a highly available,

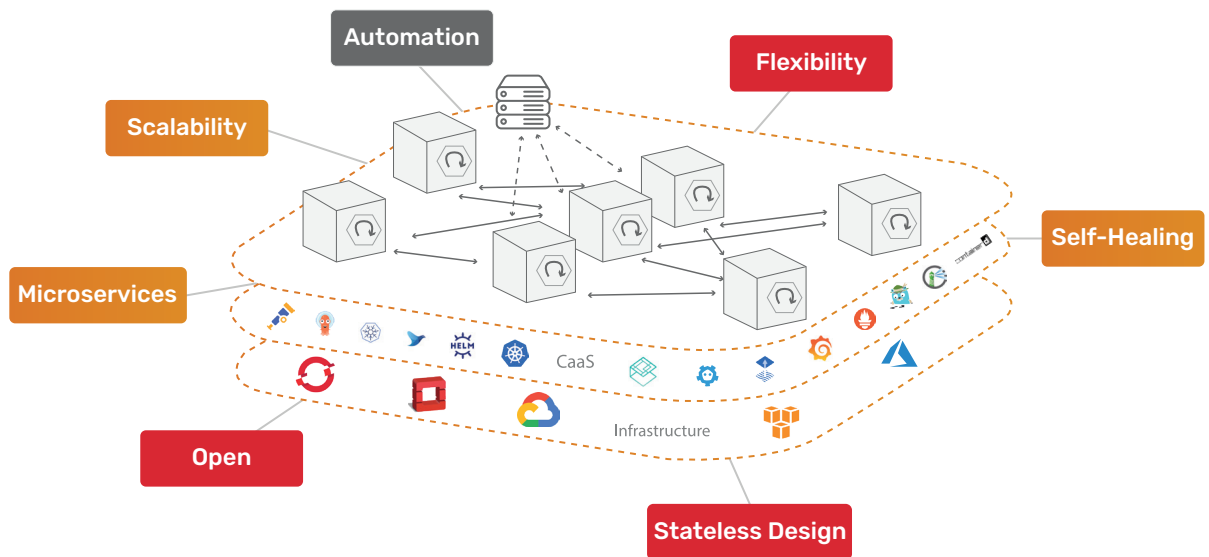
secure, and scalable platform that upholds stringent telecommunication standards.

- **All-Encompassing Solution:** We present a holistic approach to IMS, centralizing all facets of telecommunication services into a singular, efficient management system, effectively reducing operational complexities and expenses.

- **Pioneering Service Innovation:** Our platform is not just a service delivery mechanism but a foundation for innovation, enabling the creation of proprietary services that cater to niche market requirements and set you apart in a competitive landscape.



Cloud-Native Solution Details:



· **Architectural Scalability:** Our cloud-native solution is structured around decomposed microservices, each network function fine-tuned for individual scalability, offering granular resource management and system resilience.

· **Operational Sophistication on Any Cloud:** With compatibility for both VNFs and CNFs, our IMS solution is deployable in diverse cloud infrastructures, from OpenStack to

Kubernetes, establishing operational sophistication without geographical or infrastructural constraints.

· **Advanced Telecommunications Operations:** Incorporating telecom-grade capabilities such as load balancing and coordinated overload controls, our solution is engineered for complex operations, ensuring consistent service quality and operational continuity.

Telephony Application Server

MMTEL Integration: Our TAS is seamlessly integrated with MMTEL services, fortifying the delivery of rich multimedia communications and elevating user engagement across IMS networks.

Transition Seamlessness: With support for eSR-VCC handovers, the TAS facilitates flawless transitions between LTE and CS domains, preserving service continuity without degradation.

Subscriber Customization via XCAP Server: Our XCAP Server empowers end-users with the autonomy to

personalize services, reflecting individual preferences and enhancing user satisfaction.

Legacy and Modern Service

Symbiosis: Through IMSSF-AS collaboration, TAS incorporates legacy services within the LTE domain, ensuring a harmonious coexistence of traditional and modern communication offerings.

Conferencing Capabilities: The inclusion of a Conference Application Server within TAS enables robust multi-party conferencing services, fostering collaboration and community within the LTE domain.

IMS Core Network

Advanced Communication Services: Our comprehensive core network capabilities include a suite of services from SIP forking to multimedia telephony, underpinned by

state-of-the-art charging mechanisms and call continuity support, ensuring that your network remains robust, adaptive, and ahead of the curve.

Access, Interconnection, and Security

Comprehensive SIP Support: Our IMS solution ensures extensive support for various SIP protocols, underpinning a wide spectrum of communication services.

SIP Traffic Defense: Built with robust protections against SIP-based DDoS attacks, our system employs sophisticated traffic limitations to ensure network integrity and service availability.

Prioritized Emergency Response: The IMS solution facilitates emergency calls with advanced localization support, underpinning community safety and regulatory compliance.

Quality of Service Excellence: Through meticulous QoS management and PCRF integration, our solution guarantees optimal network resource utilization and service quality.