

Accelerate Next-Generation Residential and Enterprise VoIP Gateway Development with Aricent

60% of global VoIP traffic runs on Aricent SIP technology

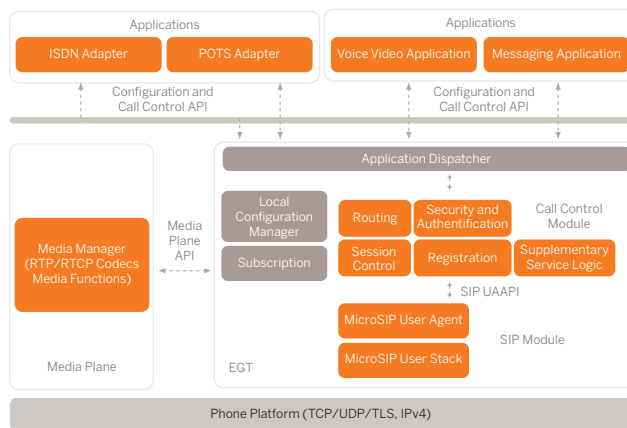
DEVELOPING NEXT-GENERATION EDGE GATEWAYS IS COMPLEX

Rapidly evolving IMS and VoIP interworking standards require manufacturers of residential and enterprise VoIP gateways to support a variety of core-network interworking standards while offering features such as advanced IP Telephony, Multimedia Applications, and other Value-Added Services (VAS). Additionally, equipment manufacturers are under constant pressure to reduce gateway software development cycles while focusing on interoperability, diagnostics, provisioning, management, and customized solutions.

ARICENT EDGE GATEWAY TOOLKIT (EGT)

Aricent's WiMAX Integrated Gateway (WING) is an integrated Aricent's Edge Gateway Toolkit (EGT) helps you quickly build SIP-based Edge Gateways that are deployed in both residential and enterprise IP telephony networks. Edge Gateways support on-premises interfaces towards terminals and/or phones used by subscribers such as ISDN, FXO/FXS, and SIP, which require signaling and media gateway capabilities.

Aricent EGT is a fully functional and seamlessly extensible gateway signaling framework that enables both basic and advanced voice services, common gateway functions, NAT traversal, and VoIP Fax. The reliable and platform-independent architecture and customizable framework design enable you to reduce testing and integration cost and complexity.



Edge Gateway Software Architecture

CHALLENGES

Manufacturers of residential and enterprise VoIP Gateways are faced with the daunting task of quickly introducing new, feature-rich next-generation Edge Gateways while dealing with rapidly evolving IMS and VoIP interworking standards.

SOLUTION

Aricent's Edge Gateway Toolkit (EGT) offers a complete SIP/IMS signaling framework that allows for modular integration with POTS, FXS/FXO, and ISDN signaling interfaces to help quickly develop and deploy Edge Gateways.

BENEFITS

Aricent's EGT allows you to quickly and cost-effectively build next-generation SIP-based Edge Gateways that are deployed in both residential and enterprise IP telephony networks.

Aricent's EGT accelerates the development of a wide range of equipment, including:

- > Edge Gateways for home, small and medium businesses (SMBs) and remote branch offices (RBOs)
- > Analogue Terminal Adapters (ATA)
- > Integrated Access Devices (IAD)
- > 3G-Femto Gateways (or Access Points)
- > WiMAX On-Premises Gateways (CPE)

Proven performance on Intel, Texas Instruments, Infineon, and Freescale platform.

Aricent is the largest provider of VoIP-IMS technology middleware, with over 250 OEMs adopting its solutions.

Global leader in SIP technology with over 34% market share.

Mature and industry proven SIP and IMS deployments.

- > Aricent SIP software is being deployed in multiple products for 7 years
- > 60% of global VoIP traffic in business and carrier networks runs on Aricent SIP technology

NEXT STEPS

To learn more about Aricent's Edge Gateway Toolkit, contact your sales representative. You can also find more information at aricent.com/products/egt.

KEY FEATURES

Comprehensive support for basic subscriber management functions including subscriber identification, registration, and authentication.

Powerful and robust SIP signaling framework

- > Support for SIP signaling and call processing enabling multi-lines, multi-users, multi-access, SIP-based supplementary services, etc.
- > Ready set of voice-supplementary services, POTS adaptation ability, NAT traversal and Fax support ability

IMS/TISPAN UE capabilities

- > Compliant to release R7 and above

Support for basic to advanced IETF standards-based address resolution mechanisms

- > DNS, NAPTR, SRV, DHCP, etc.

Security

- > SRTP, TLS with support for IMS authentication

Higher abstraction capabilities, fewer API's for simplicity, and a silicon-ready reference design, which reduces costs and integration complexity

KEY BENEFITS

Accelerated product development and testing

- > Multi-standard compliance
- > Seamless upgrade of CPE
- > Multi-platform readiness

Reduced testing and integration cost and complexity

- > Ready-to-use software—supports almost 75% of the software needed for the end gateway solution
- > Integration ready and customizable for pre-IMS and IMS deployments

Enhanced simplicity

- > Call-Control level APIs provide higher level of abstraction
- > Reduce expertise and training required for SIP application development
- > SIP-based supplementary services—one-touch API programming

Reduced risk with best-in-class interoperability

- > Over 250 OEMs have adopted Aricent SIP products
- > Detailed interoperability test plans and reports available for reference

CONTACT US

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