

Dialogic®

Dialogic and Efficient Network Infrastructures



Built on
Dialogic

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Today there are an unprecedented number of networks of different types, requiring interconnectivity. Wireless networks are at different stages of deployment worldwide, and standards are continually changing. At the same time, IP networks are proliferating while legacy TDM networks are still in use. Networks are also under pressure due to increasing demands from voice, data, and video services. Service Providers need to adapt their networks to meet changing requirements and to leverage the infrastructure that they already have in place.

Dialogic has field-proven products and solutions to enable customers to extract the most from current networks while also supporting the delivery of new revenue-generating services. From switching to transport to service creation, Dialogic supplies technology to create, manage, control, and optimize voice, video, and data sessions simultaneously.

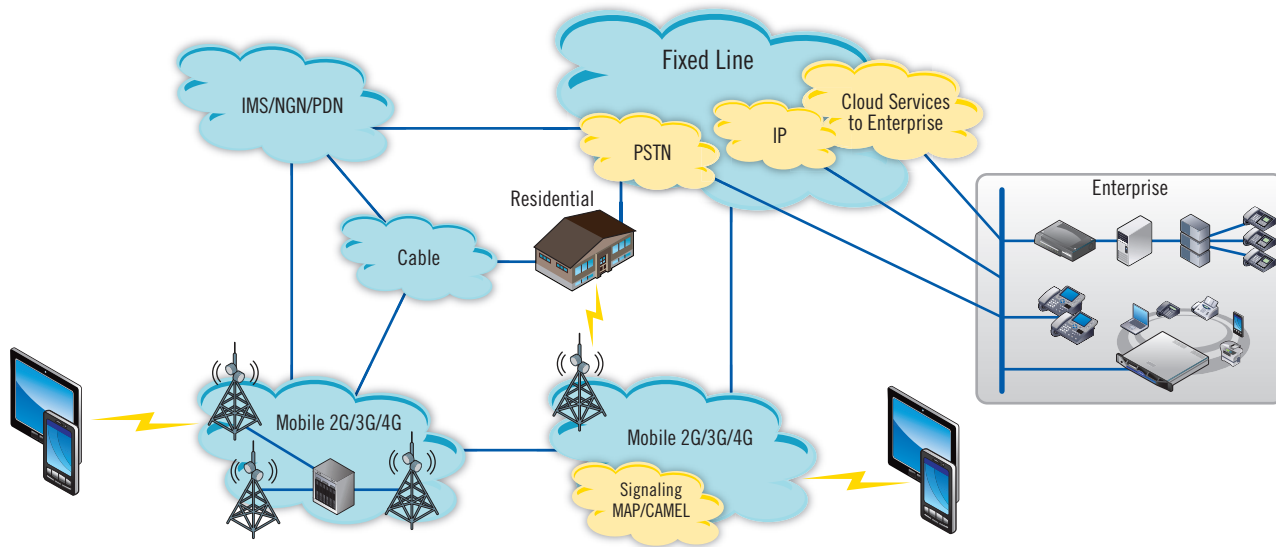


Figure 1: Dialogic delivers key products throughout diverse networks such as in the diagram to help interconnectivity, optimization, and service creation

Network Optimization

Dialogic® I-Gate® 4000 Session Bandwidth Optimizers for core networks and mobile backhaul are standalone systems that enable cost-effective transport of VoIP and data traffic in 2G and 3G mobile and next-generation switching networks while also offering the opportunity for significantly reduced CAPEX and OPEX associated with bandwidth and IP routing resources. The current infrastructure can be capitalized upon to provide extra carrying capacity through optimization, which, in turn, can lead to more efficient utilization and increased revenues by using the extra capacity for new services or to support more subscribers

Securing the Network

An important function of IP networks is to protect the integrity and security of the network. Session Border Control products from Dialogic provide session control, security, and SIP interworking for stable and robust mobile and IP-based networks. By protecting the existing interconnect and access network infrastructure with Dialogic's SBC products, VoIP services can remain continuously available and performance can be insulated from outside attack.

Managing Video

With video utilizing a significant percentage of available bandwidth, networks need to support and manage their bandwidth effectively. Dialogic's video gateway products support real-time video and voice transcoding, Service Providers and Mobile Operators can deliver enhanced video quality and interoperability for converged services, such as video portals, multimedia contact centers, and multi-terminal video conferencing. Dialogic provides video Quality of Experience (QoE) measurement solution software, which supports making the network intelligent to the needs of video enabling the ability to adapt and provide high levels of QoE for subscribers.

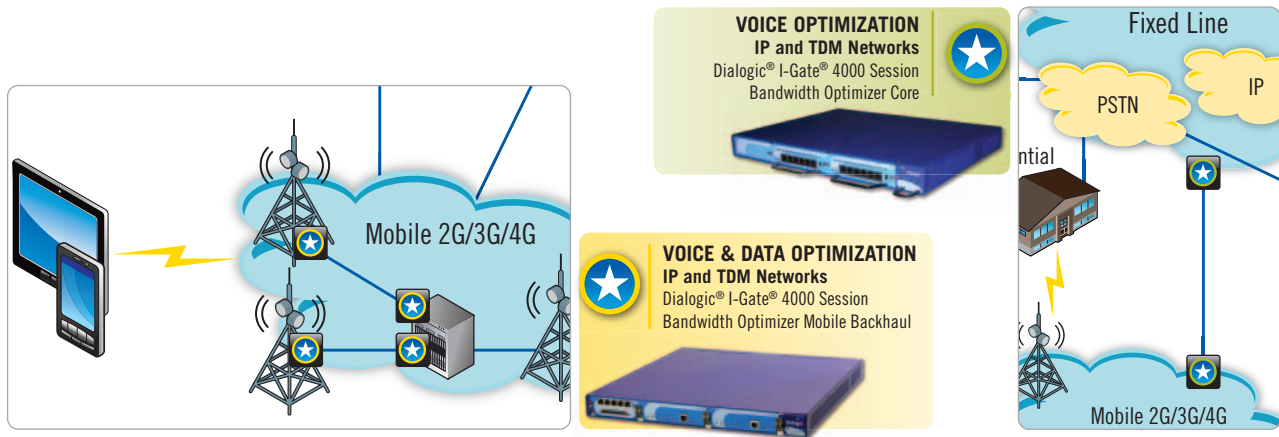


Figure 2: Dialogic products support better network utilization and increased revenue streams through optimization

Interconnecting

Dialogic has a broad range of media gateways which deliver the IP-to-IP or IP-to-TDM connectivity needed for interconnectivity between disparate systems and networks while also providing a clear migration to all-IP environments and supporting the development and rollout of new service capabilities. With these media gateways, calls are connected to the required destination, regardless of the origination or destination network such as TDM, IP, or Mobile.

SoftSwitch

The Dialogic® ControlSwitch™ System is an IP softswitch that provides a smooth migration path from existing TDM voice networks to the Next Generation Network/IP Multimedia Subsystem (NGN/IMS) by enabling the interconnection of a mix of traditional and IP-based voice networks. The ControlSwitch System is built around an advanced modular, programmable, distributed, highly scalable, and highly available architecture with open interfaces to media devices, application servers, and back-office systems.

Signaling Capabilities

Dialogic® signaling products support signaling connectivity for distributed, multi-system-based telecom applications. Dialogic's signaling products can offload signal processing from application servers and can run a wide range of signaling protocols, including specific local variants, enabling deployment in a variety of applications and geographic settings. These products are building blocks in next-generation networks and service platforms providing an interface between SS7 and SIGTRAN networks, and can be supported through web services interface and service-oriented APIs with the powerful message processing, resilience, and scalability features needed today.

Making the Most of Value Added Services

Dialogic enables the delivery of innovative value-added services via its leading media processing, gateway, and signaling products. Value added services support increases in ARPU and subscriber retention by delivering the capabilities and services people want.

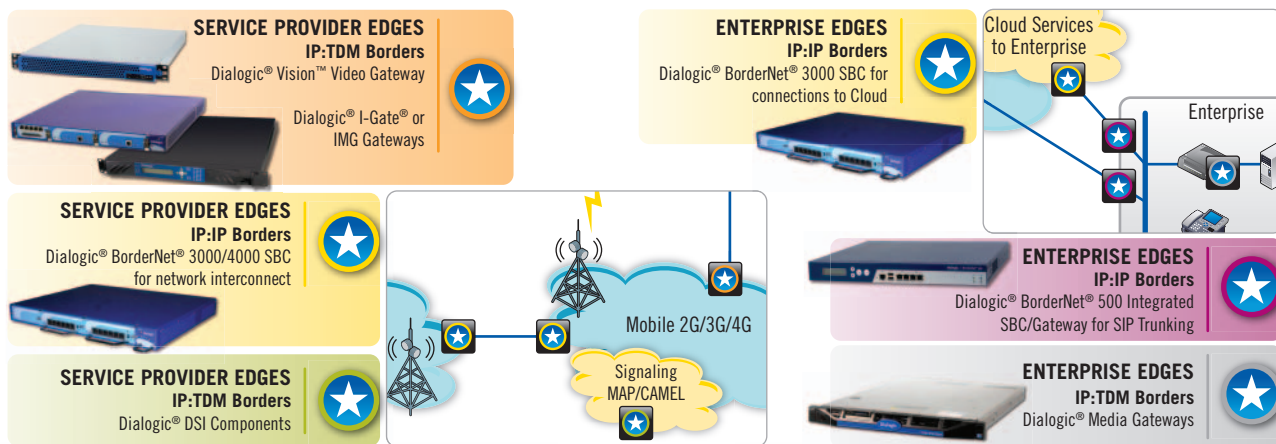


Figure 3: Dialogic delivers products that are border elements for security and connectivity

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www.dialogic.com

Dialogic Inc.
1504 McCarthy Boulevard
Milpitas, California 95035-7405
USA

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