



Bull NGN Solutions
For Telecom operators



Reducing costs
of Next Generation Networks
with Trunking Media Gateways
& Media Servers

The solutions for VoIP services

Capitalizing on its strong experience in system integration of Telecom solutions, Bull brings the opportunity to operators to enforce attractiveness and competitiveness in a perpetually evolving market.

To enable a cost effective integration of IP networks with PSTN, Bull proposes a range of Next Generation Network infrastructures based on *AudioCodes VoIP Media gateways*.

Bull value proposal in the Telecoms
The Bull solutions include all the infrastructure equipments which are necessary to launch VoIP services, such as softswitches, IVR, voicemail and unified messaging, broadband access, provisioning and self-care, supervision and billing system.

The Bull team benefits from a strong experience with more than 10 years of expertise in TDM and IP signaling.

This implies:

- The insurance for commitment to results,
- The capability to handle specific requirements
- The appropriate installation with a minimum impact on services.

The support team also offers one interface with high-level experts, in addition to SLA contracts (24X7 access, Hot line).

Trunking Media gateways

The AudioCodes' Mediant™ family offers a complete range of market-ready, scalable, standards-compliant media gateway systems for wireline, wireless, cable, broadband access, and fixed-mobile-convergence networks. Designed for the carrier environment, the Mediant range of gateways & servers are robust system solutions. The Mediant VoIP Gateway System enables rapid time-to-market and cost-effective deployment of next-generation networks.



Business cases

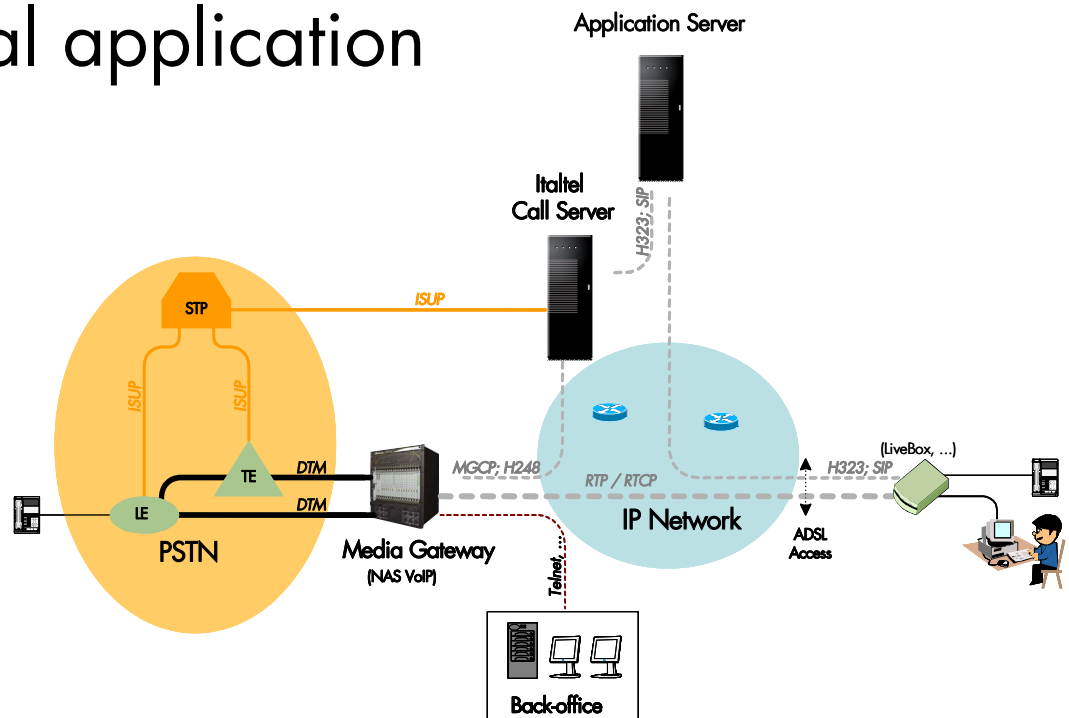
Long-term cost reduction

In order to dramatically decrease the Capex/Opex of its VoIP infrastructure (Transit for phone to phone and residential applications), a major worldwide operator has already chosen the Trunking Media gateways as alternate Media Gateways connected to Italtel Call Servers equipment. Integrated by Bull, the solution decreases the price per VoIP port, while providing the infrastructure with a large panel of Codecs, such as G711, G723, G726, G729, AMR, etc.

Residential application

Voice over broadband

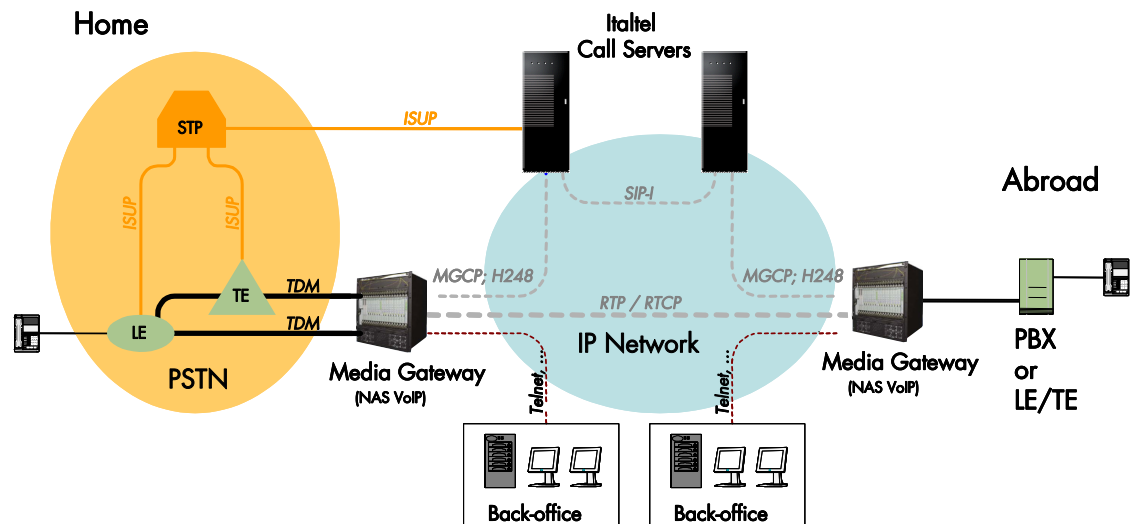
Besides its low Capex, the advantages of the solution for a Tier 1 operator are mainly numerous new features, robustness and high voice quality.



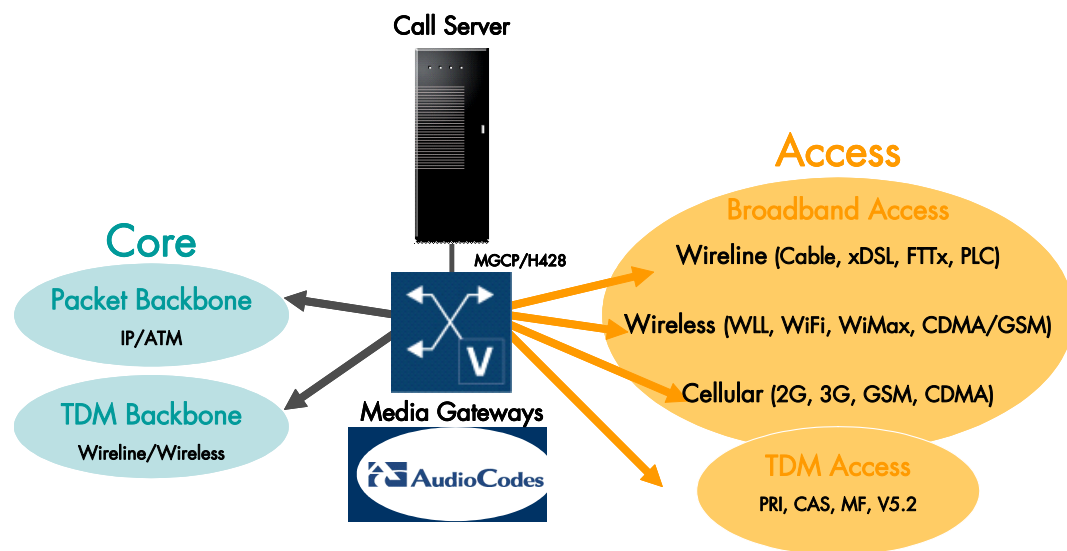
Phone to phone application

Long distance toll bypass

Besides its cost effectiveness, the solution offers a convergent Media Gateway, the concurrent support for MGCP and H.248 protocols, the ability to develop special wideband Codec, the direct touch, the smooth interoperability with customers SSW, in addition to the product robustness.



Convergent VoIP Media Gateways



The AudioCodes Media Gateways are designed to deliver competitive, complete, best-of-breed media gateway functionality, featuring highest voice quality. They enable the build of Voice over Packet (VoP) networks based on advanced media gateway technology. They meet the demands of converged wireless, wireline and cable, broadband local loop and fixed- mobile converged VoIP networks from a single media gateway platform.

Integration in the existing environment

The AudioCodes Media Gateways are used as a high capacity media gateway designed for the carrier environment. They support up to 16,000 VoIP/LBR/AMR channels to fully meet the needs of VoIP Trunking, IP Centrex, and VoIP Access Gateway markets. The Media Gateways are deployed globally with a rich offering of PSTN interfaces and signalling. They all integrate 3G and 2G packet-enabled media gateway functions into end-to-end system solutions. They meet the demands of both ATM and IP from a single media gateway platform.

Creation of flexible Products & Services

The Mediant 8000 Media Gateway enables NEPs to immediately address opportunities that utilize a myriad of legacy circuit-switched infrastructure features and functionality. The Mediant 8000 allows superior deployment flexibility for these solutions which include Softswitches, Cable Call Management Systems (CMS), Media Terminal Adaptors (MTAs) PacketCable solutions, Broadband Wireless Local Loop (WLL) Base Stations (WiFi, WiMax).

Deployment of High Availability Solutions

The Mediant 8000 reliability features include redundancy for all common equipment, preserving stable calls using N+1 redundant media gateway boards.

Migration towards Media Server

Migrating AudioCodes Media Gateways into Media Servers enable IP Media applications, such as messaging, Announcement Server, Contact/Call Center, Voice XML, IVR/VRU solutions, Conferencing, Calling Card, IP Centrex, Fixed - Mobile convergence and Application Server. This capability is a key advantage to capitalize on a long term investment.

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