



TELES Class 4 NGN

Solution Highlights

- Standard based, high performance & scalable NGN solution
- Supports all major signaling protocols
- Widely deployed multi-national SS7 solution
- NEBS3 certified standard server platform
- Geographical redundancy
- Carrier class availability
- Comprehensive system management capabilities
- Lowers OPEX and CAPEX expenses

Product Range

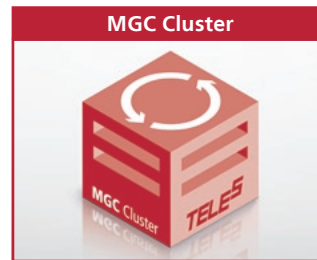
MGC Compact



MGC Compact

Carrier-grade Class 4 softswitch for small to medium scale Next Generation Networks with up to 20,000 concurrent calls

MGC Cluster



MGC Cluster

Carrier-grade Class 4 softswitch for large scale Next Generation Networks with up to 175,000 concurrent calls

Solution Components



Class 4 Data Server

Class 4 Data Server simplifies routing management

Class 4 Routing Server

The Class 4 Routing Server enables dynamic routing

CDR Mediation Server

High throughput Billing Mediation Server

Media Gateway

Outstanding media gateway supporting 60 to 18,000 VoIP/LBR/AMR channels

Signaling Gateway

Provides seamless signaling interworking between IP and TDM networks

TELES Class 4 NGN Solution

You define the needs and TELES will provide the solution. Our comprehensive Next Generation Network (NGN) solutions enable you to build up new revenue streams, attract new users, improve margins, and reduce churn while you expand your network to new markets and offer new services. With a TELES NGN solution, you will leverage your current investment and enjoy a smooth migration.

Do you need flexible customization, easy integration, and a future-proof investment? TELES delivers. Built according to ETSI TISPAN specifications, TELES NGN's use open protocols like SIP and H.323, and standards like MGCP and H.248, which enable both flexible customization and integration with all standard-based partner products. In addition, our decentralized structure enables you to distribute intelligence within the core network.

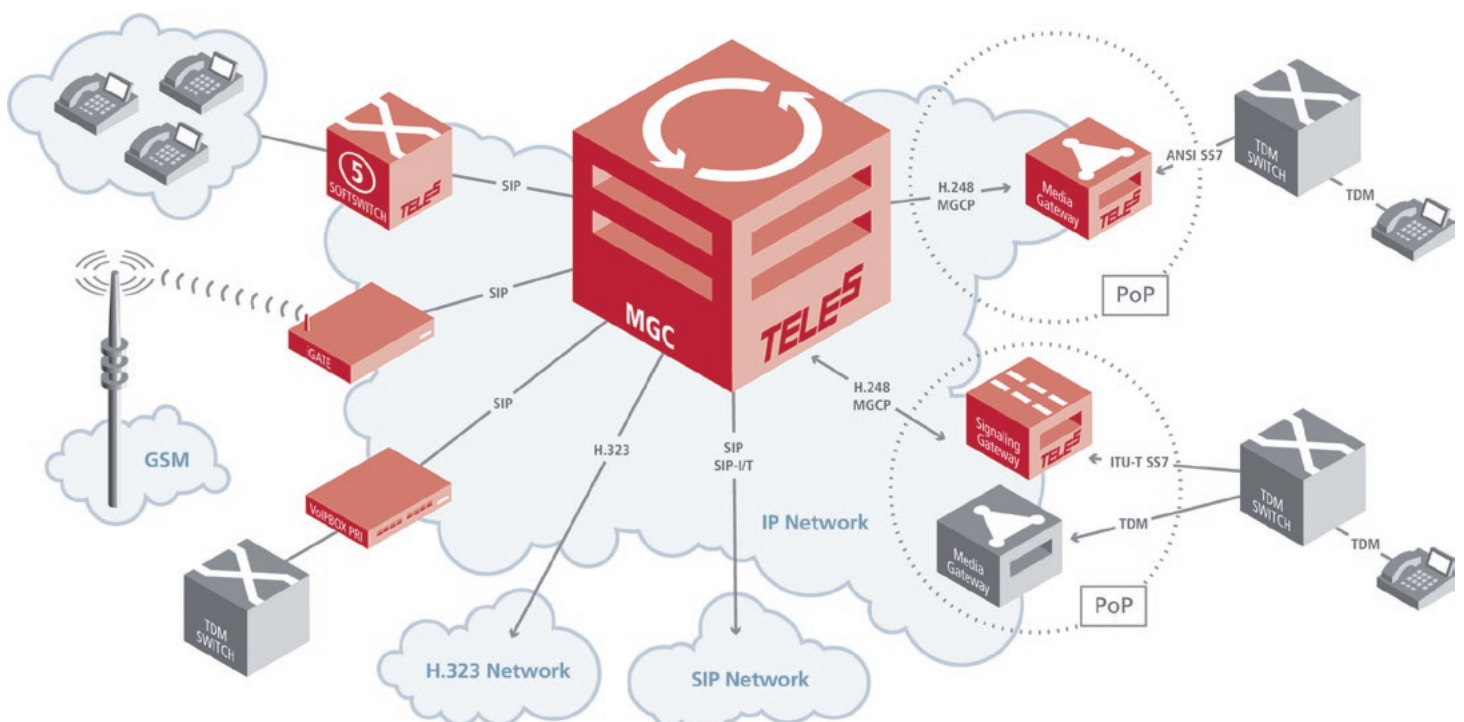
The TELES Class 4 NGN solution delivers full interworking between SS7 and VoIP. Our softswitches support a wide range of national SS7/ISUP variants and transport signaling information via the SIGTRAN protocol (M2UA, M3UA, IUA).

The results: guaranteed Class 4 interworking and a future-proof investment.

Do you need to minimize OPEX, maximize revenues, and reduce the costs for maintenance? The TELES NGN solution delivers. All essential functions are within a network operator's direct control. From the comfort of your office, you can monitor, provision, configure, control, and maintain an entire network.

Our management system automatically informs you of problems, enabling you to respond quickly and efficiently. In a word, the simplified and standard based maintenance provided by a TELES NGN solution makes it the ideal choice for carriers migrating their existing TDM network to an NGN.

Do you need to build a new network or replace a common TDM backbone with IMS components? Do you want to interconnect multiple carriers via multiple protocols? The TELES NGN solution delivers. A TELES NGN solution



is composed of carrier-grade and scalable platforms which enable wholesale and retail long-distance network operators to migrate their networks to VoIP-based Next Generation Networks.

Proven interoperability (SS7/ISUP to SIP/H.323 interworking and standard MGCP, H.248 and SIGTRAN) allows TELES NGN solutions to play a major role in a variety of NGN scenarios and to supply seamless operation in multi-vendor environments. For broadband subscriber access, the TELES Media Gateway Controller (MGC) manages complete SIP-SIP connectivity including interconnection to fixed-net destinations.

With high performance call processing and superior signaling functionality, the TELES MGC itself is designed to match today's demanding requirements for maximum services across the world of legacy PSTN and the growing VoIP community.

Enhanced billing options – based on extensive online or offline Call Detail Records, RADIUS accounting, and a CDR mediation device for existing billing system adaptation – complete the TELES NGN solution.

The TELES Class 4 softswitch solution is suitable for carriers looking for a gradual transition or for large carriers

quickly heading toward IMS. Its high-performance call engine can easily process more than 2,500 calls per second. TELES offers specially tailored solutions for most common capacity needs, ranging from 8 E1/T1 to more than 25,000 E1/ T1. Each expansion level is backed-up either by physical or physical and geographical redundancy.

Key Benefits

TELES Cluster Architecture delivers cost effective scalability and offers geographically distributed redundancy including carrier class reliability.

Any-to-any protocol interoperability guarantees fast and efficient service deployment for VoIP and TDM networks.

Advanced programmable routing and service engine maximizes margins and optimizes traffic through the network.

Designed for high peak-loads and short call duration applications, the architecture is well suited for services driven by calls-per-second.



About TELES AG



TELES provides NGN solutions to the world's most forward-looking network service providers. With our complete Class 4 and Class 5 NGN solution portfolio, we're guiding the deployment of global service provider networks.

Always leaders and innovators, we can look back on an impressive 25 year track record of more than 200 carrier and service provider networks and millions of voice ports deployed. And, since 1996, TELES customers have been enjoying the benefits of our advanced VoIP solutions.

Today, we are building on that success. Our cluster-based architecture is showing the way forward for high-demand, global NGN implementations.

Realize your NGN future with the TELES NGN portfolio of products which includes entry-level enterprise IADs and extends to NGN solutions for major carrier and service provider networks.

A Deutsche Boerse Prime Standard listed company with headquarters in Berlin, TELES is a global NGN player with a research and development commitment that is second to none. As well as placing ongoing investment into our German facilities, we have also expanded our R&D operations into Asia and the Middle East.

We maintain solid international market presence through our Europe, Middle East, Latin and North American sales offices as well as our global network of distributors and system integrators.

NGN PRODUCTS AND SOLUTIONS

Access Gateways

Mobile Gateways

VoIP Gateways

Business IADs

TELES NGN

Class 4 Softswitches

Class 5 Softswitches

Media Gateways

Applications

Residential VoIP

IP Centrex / Mobile Centrex

Wholesale / Long Distance

Your TELES Representative

Find out more: www.teles.com

TELES
AG
Informationstechnologien

TELES AG | HEADQUARTERS

Ernst-Reuter-Platz 8

10587 Berlin

GERMANY

Phone +49 30 399 28 - 066

Fax +49 30 399 28 - 051

E-mail sales@teles.com