NGN
Media Server

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NGN Media Server

Product ID : MAC-MSW230
Version : 1.0

MAC-MSW230 is hardware based Media server, IP media server that offloads media processing functions in SIP-compliant carrier networks. It can be deployed as standalone equipment.

MAC-MSW230 supports a variety of media processing functions, including announcement generation, DTMF detection and generation, message play and record, conference recording, audio bridging for small n-way conferences, and other advanced capabilities. These functions can be logically combined and embedded in a service logic execution environment to implement a wide variety of basic and enhanced services, including playing announcements, conference calling, voice messaging etc.

The system architecture is built with telecom-grade scalability and quality of service. MAC-MSW230 is scalable from single shelf configuration for small entry solutions, to multi-rack configurations for very large solution. This flexibility enables scenarios that range from thousands of users to large network transformation scenarios with many millions of users

Key Features:

- Carrier - grade Media Server offering full feature meeting network requirements.
- Modular design enables for feature scalability
- Supports NGN protocols (SIP) for communication with Softswitch.
- Supports operation in multi-prefix areas.

Key Benefits:

- Guarantees feature continuity for highly profitable telephony services.
- Allows fast introduction of new voice services (e. g announcements).
- Guarantees continuity of all proprietary management interfaces (operation support systems, billing, etc).
- Offers end – to – end integrated charging for voice subscribers.
- Managed by the Network management system (MACIL)

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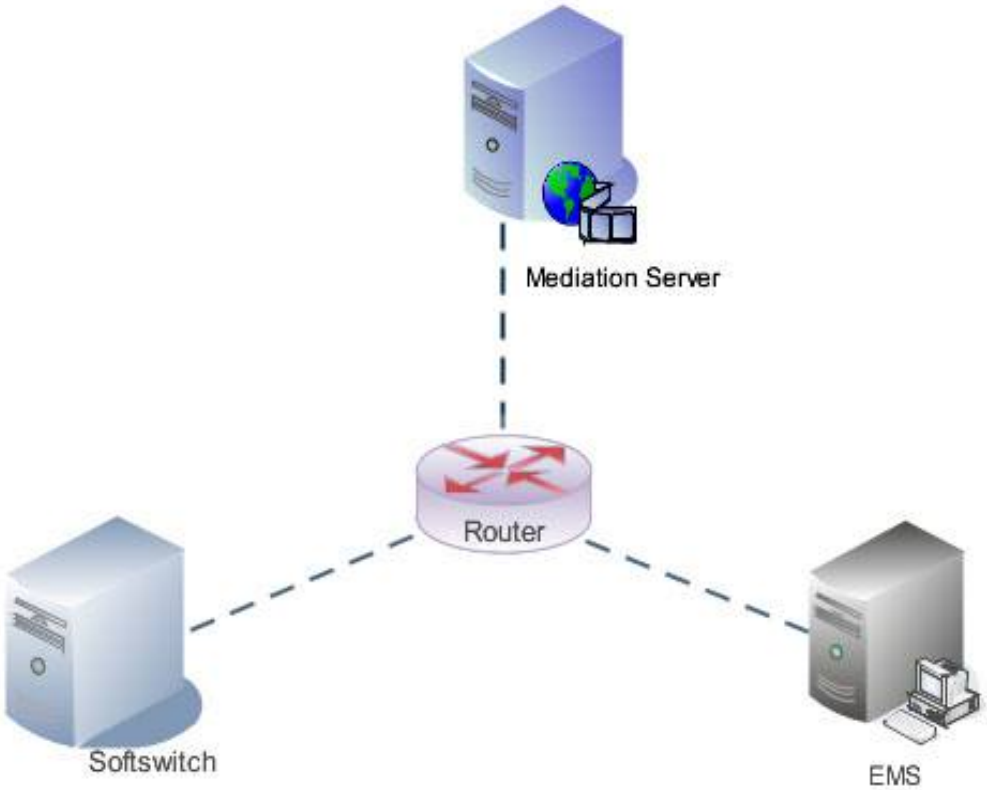
System View

Media Server Supporting NGN Elements



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Features

- Announcements
- Play back
- Tones
- Call Conference.

Operating system

- Linux

System Logging

- Real Time configurable logging levels
- User and Administrator History

Element Management System

- Security
- Secure user certification, Multi-user security levels.

High Availability

- CPCI based Hardware architecture
- 2+1 Power supply module Redundancy

Scalability

- Entry level from 1E1 – 30 Channels
- Upgradeable up to 16 E1 480 Channels / Media Gateway (Depends on customer / Network requirements)
- Controlled by software license upgrade and adding Modular hardware

Capacity and Reliability

- Racking - Multiple Gateway Cards managed as single virtual media gateway
- Software - Fault tolerant software architecture with call preserved across CPU
- Hardware - Modular design to meet the network challenge

Power

- 230V AC Rack Power
- Approx – 250W per Rack (120 channels)

Operating Environment

- Operating Temperature Range - 50 C to 450 C (410 F to 1130 F)
- Operating Humidity - 5% to 90% relative humidity non-condensing
- Storage Temperature Range - -400 C to +700 C (-400 F to +1580 F)

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