

NGN Media Gateway



Product ID : MAC-MGW220
Version : 1.0

MAC-MGW220 Media Gateway solution provides full-featured call control and deployed as a standalone node, delivering all voice services required by the network service providers via any fixed access and at any terminal through IP communication. The system architecture is built with telecom-grade scalability and quality of service. MAC-MGW-220 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 Gateway offering full feature set of class 4 and class 5 services.
- Modular design enables for feature scalability

- Enables continuity of interfaces and features from TDM line.
- Supports NGN protocols (SIP) for controlling gateway equipments.
- Supports operation in multi-prefix areas.

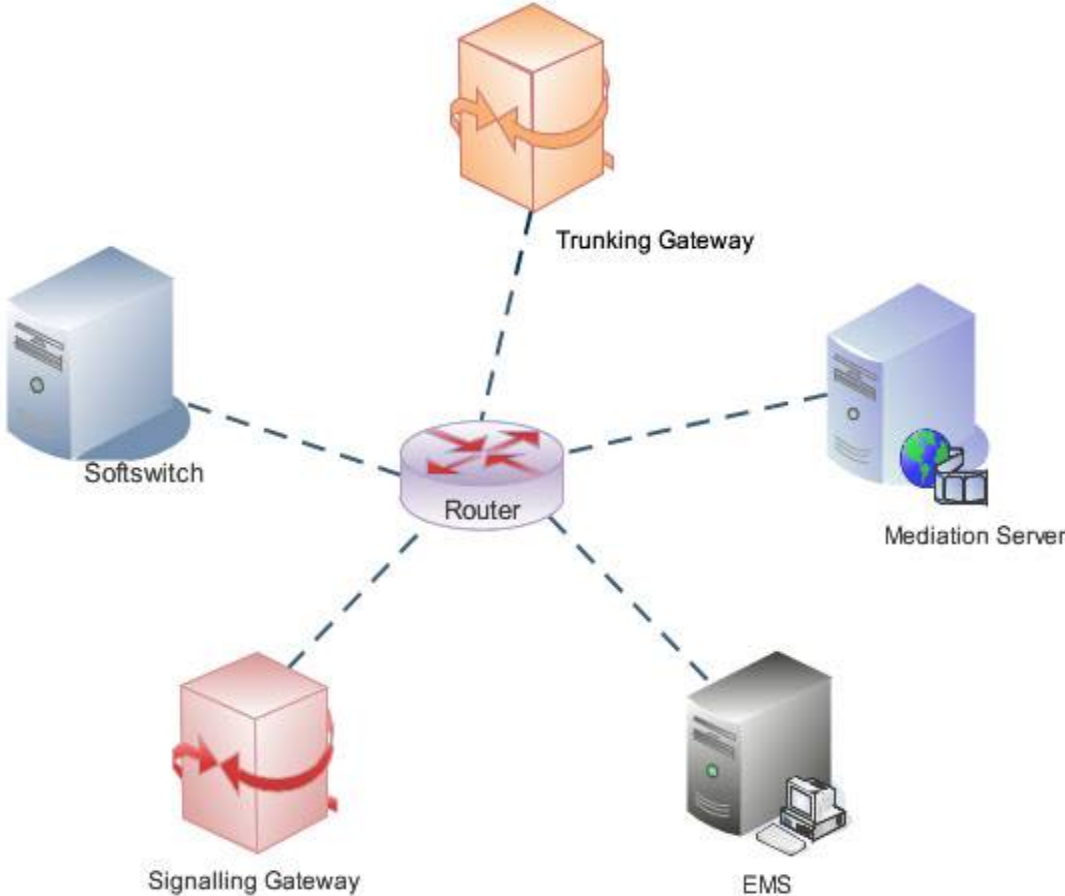
Key Benefits:

- 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)

System View



Media Gateway Supporting NGN Elements



Features

- E1 Trunk Termination
- ISDN PRI Signaling
- Codec G711, G726, G729, G723
- Echo cancellation
- 64ms Tail Length
- 100ms Jitter buffer
- Silence Suppression
- Comfort Noise Generation

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)