

**A Unified Routing  
Platform for Next  
Generation Networks!**

**Prepaid & Postpaid  
Account Management**

**Central Routing Server**

**Class 4 Switching**

# **NGN SWITCHING & ROUTING**

**Next Gen Class 4 Platform for IP Networks**

## NGN Switching & Routing

In 21st Century telecom Operators/Carrier and Wholesale voice service providers are switching to single standard protocol (SIP) from the traditional protocols as core communication protocol. Hence, they require Next Generation Platform that would route calls intelligently by looking at business profile associated with it. Additionally Operator/Carrier owns SIP gateways and Class4/5 switches inside their existing network and they require central route provisioning server to carry out intelligent routing. Also a huge manpower is required to configure as well as to manage the gateways & Class - 4/5 Switches traditionally. Another hiccup faced by Operator/Carrier is managing prepaid customer on Class 4 switching & routing, thus requiring very efficient prepaid balance management tool that would ease the entire process of managing prepaid account(s). It is very critical for an operator/carrier to have precise real time balance management closely integrated to their switching core as it will secure them against revenue loss due to passive billing system which reports the balance after calls are finished and may lead to revenue leakage.

**Bridge2Call NGN Switching platform** combines all the above mentioned requirements of in one place. It revolutionizes the way class4 switching and billing are managed globally.

### Highlights



- **Ingress Routing Mode Selection**
  - Re-direct routing Mode Using 3XX SIP Method
  - Prepaid Balance Routing Mode
  - Class 4 Routing Mode (default)
- **Egress Routing Mode Supported**
  - Least Cost Base Routing
  - Priority Base Routing
  - Time Of Day Routing
  - Formula Base Routing (ASR, ACD, COST etc)
- **Call Control, Quality - QoS Monitoring**
  - Call Statistics Measurement using ASR, ACD, PDD, NER
  - Audio Quality Measurement using MOS and Jitter
  - Call Setup per Second Control
  - Concurrent Calls Control
  - Call Trace
- **Greater Control over Signaling Parameters like**
  - SIP Timers
  - SIP Session Timers

### Key Features

- SIP Registrar Support
- Number Translation
- Transparent Proxy Mode
- Web Based Admin Console
- Automated Alert and Notification for Business Critical Operations
- Modular Architecture with Load Balancing
- Fail over Support for Higher Reliability
- SOAP-XML Gateway for Third Party Integration