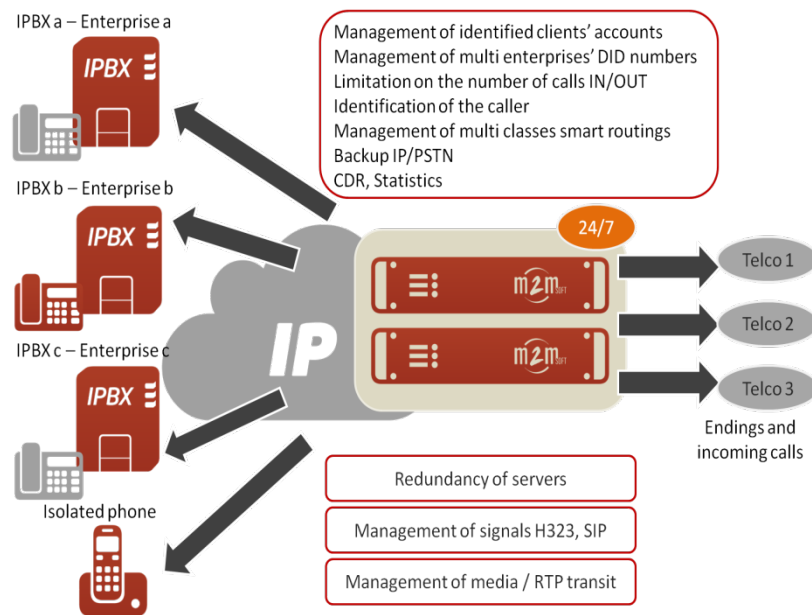


# S5000

## Softswitch for Service Providers



### Overview

The Softswitch S5000 is the perfect and ready to use solution for service providers through internet networks.

The S5000 connects the equipments of the clients and telecom access, controls the communications and allows to operate a service of high quality without stops thanks to the clustering mode and to the optimization of flow.

Fig. 1: Environment of the S5000 Softswitch

### Advantages of the solution

- **The control on clients:** the S5000 Softswitch enables to handle an unlimited number of clients' accounts and all the advanced parameters (such as a DID number, backup routes, favourite codecs, etc).
- **Intelligent routings:** the S5000 Softswitch offers an unique routing engine enabling to easily define routing politics on calls per category of clients. All the service providers' links are then protected and it is the same for the clients' links.
- **A constant improvement of quality:** the S5000 Softswitch enables to improve the perceived quality on calls by the users thanks to its unique management of media signals.
- **A strong integration to the environment:** the S5000 Softswitch allows a tailored customization to the environment thanks to its opened API, compatible with all the languages and all the platforms (examples: creation of accounts and routing rules from the client information system).
- **Voice over IP optimized:** The S5000 Softswitch supports the SIP and H323 signals simultaneously. Also, it enables to manage the transcodings of smart flows (G711 A/U, iLBC, G729, Opus, Speex, G722).

### Functionalities of the solution

#### Advanced functionalities

- Unlimited number of calls (according to the platform and license)
- Unlimited number of users (according to the platform and license)
- Clustering
- Automatic NAT / SBC (Session Border Controller)
- Multi providers support and multi links (IP, PSTN) simultaneously
- Advanced routings, with capacities management, codecs, backups
- Gateway SIP, H323
- Optimization of the audio quality (echo canceller, gain control)
- Anti steganography for audio, intrusion control
- Management of integrated media answering machines
- Limitation on the numbers of calls in/out
- Identification of the caller CLIP/CLIR
- CDR, statistics

#### Technical characteristics

- Signaling: H323 and SIP
- All codecs
- Support and DTMF transcoding inband/out of band
- Transcoding: G729/G711/iLBC/G722/Opus/Speex
- API languages: Java, C++
- Crypto: ciphers for TLS1.0/1.1/1.2, AES128, AES256, SRTP, ECDHE...
- Administration: HTTP / HTTPS / English – French ; SNMP v2, v3, Radius
- OS supported: Linux (RH, Ubuntu, Debian) and Windows XP/Vista/7/8/10

### To order

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