KMG GSM 160

Media gateway GSM and VoIP

- 16 GSM Interfaces

- 2 SIM Cards per channel, one active and the other stand by

- Allows different operators in the same module

- GSM Quad Band Interface: 850/900/1800/1900 MHz

- Call classification

- Support for numerical portability inquiry

- Route loyalty

- DSPs for audio processing

- Echo cancelation in dedicated hardware

The KMG GSM 160 is a media gateway designed to provide the integration between the GSM and VoIP networks, providing route management of lower cost with fallback, automatic overflow, as well as a powerful call classification resource, which includes audio signaling analysis.

The structure of the KMG GSM 160 was developed to handle 16 GSM channels with dual SIM. It has 2 SIM Cards, one active and the other in standby, with possibility of automatic rotation and 16 VoIP channels. To do so, the KMG GSM 160 has a robust set of hardware, which includes DSPs dedicated to handling critical telephony tasks and echo cancellation. These resources work together to provide a great call processing capacity, with high quality audio.

Call classification

The call classification resource* allows the gateway to identify if the call was intercepted by the operator or if the remote answerer of a cell phone voicemail, automatic answering or human answering. Passing to the dialer that which was detected in this analysis, and thus allowing the best forwarding to be defined for each case.

Optional item.

Antenna combiner

The KMG GSM can be equipped with an internal antenna combiner*, which concentrates the signals of several signals in a single external antenna. This antenna can be installed in the external antenna of buildings allowing the gain in dB in the GSM signal to be optimized.

Optional item.

Features and Benefits:

KMG GSM

- 2 SIM Cards per channel, one active, the other standby
- Allows different operators in the same module
- GSM Quad Band interface: 850/900/1800/1900 MHz
- Dispatch and receipt* of SMS
- Inquiry into numerical portability
- Automatic rotation of SIM cards (configurable)
- Control of consumption of minutes of SIM cards (configurable)

* SMS's received are forwarded for treatment in software developed by the client.

Support for Trunks

- GSM 16 channels GSM Dual SIM (up to 32 Sim Cards)
- 16 VoIP channels
- 3 gigabit network interfaces (100/1000 Mbps)
- Transcoding
- G711 (A-law and μ-law), G.729 and T-38

Hardware

- LCD display 16x2
- DSPs for audio processing
- Echo cancellation by hardware
- Integrated antenna combiner (optional)
- Comes with GSM QuadBand antennas
- Default 1U module for rack and 19"
- Dimensions 437.8 (width) x 380 (length) x 44.7 mm (height)

Monitoring, diagnosis and administration by Web Interface

- Support for SNMP
- Viewing of channel status
- Call counters per channel
- Monitoring of occupation by channels
- Monitoring of minutes used by SIM Card
- CDR in customizable format, automatic exportation and download of files by FTP

Call classification

- Identification of call by human answering or intercepted by fax, voicemail, etc.
- Audit of call classification with recordings
- Allows actions to be created in accordance with call classification

Call routing:

- Routing based upon destination number, origin number or origin IP
- Creation of routes with prioritization
- Route loyalty (allows the destination number to be changed)
- Configurations of alternate routes (automatic overflow and fallback)
- Forwarding based upon inquiry into numerical portability
- Call routing by time
- Possibility of analysis through CDR files

Optional items:

- Six band modem (800/850/900/1700/1900/2100)
- Support for 3G technology
- Power supply DC/DC -48 VDC

Guarantees and Certifications

- Factory warranty: 1 year
- Anatel certification
- Company certified by ISO 9001:2008

* Optional items entail additional costs.

Other Images:

Open front view for changing SIM cards

Rear view