



# KMG 1600 VGT

Media gateway from 4 to 16 E1/T1



- Modular composition
- Up to 16 E1/T1 links – up to 4 EBS of 4 E1/T1 sold separately (option with BNC or RJ45 connectors)
- Up to 128 GSM channels – up to 8 EBS of 16 GSM channels sold separately
- Up to 300 VoIP calls – up to 10 KMG 30 VoIP licenses sold separately
- Up to 780 simultaneous calls – up to 480 E1/GSM <> VoIP calls + up to 300 VoIP <> VoIP calls
- Up to 780 G.729
- Optional redundant power supply source

Comparative table of module capacity

<b>E1/T1 links</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>16</b>
<b>GSM channels</b>	<b>128</b>	<b>112</b>	<b>96</b>	<b>80</b>	<b>0</b>
<b>Total of TDM channels</b>	<b>128</b>	<b>323</b>	<b>336</b>	<b>440</b>	<b>480</b>

The KMG 1600 VGT is a large media gateway, recommended for applications which require low band consumption. Besides being a hybrid GSM gateway and up to 16 E1/T1 or up to 128 GSM channels, it has SBC integrated. For use when transcoding is required.

Developed for large call center solutions, it is a modular gateway which allows the increase of the structure with minimum downtime. Maintenance and redundancy are also facilitated, the equipment being able to be replaced quickly if there is a failure.

It has a flexible and robust hardware unit, which includes dedicated DSPs for treatment of critical telephony tasks and echo cancellation. These resources work together to provide a great call processing capacity, with high quality audio.





### KMG 30 VoIP license

The KMG 1600 VGT allows the installation of up to 10 KMG 30 VoIP licenses, allowing its use as an SBC of the type B2BUA, routing up to 300 SIP calls from one network to another. The KMG 1600 VGT has 2 network interfaces which can be configured to interconnect up to 2 different networks.

### SIP trunking

It allows SIP connection, the ideal solution for companies and institutions with great requirement of communication through IP PBX and that seek quality of service, flexibility and accessible costs in the voice services.

### Call routing system

The routing system allows the user to register routes with automatic overflow and fallback. The routes allow order of priority and modifications in the numbers of A and B, allowing a huge variety of routing combinations, including **creation of routes of lower cost, contingency and loyalty**. All the routing information can be stored and made available for analysis through CDR files with customized format.

### Call classification

The call classification resource allows the gateway to identify if the call was intercepted by the operator or if the remote answerer is a cell phone voicemail, automatic answering or human answering. Passing to the dialer what was detected in this analysis, the best forwarding can be defined for each case.

*(Optional item)*

## Features and Benefits

- 2 gigabit network interfaces (100/1000 Mbps)
- Codecs: transcoding G711 (A-law and  $\mu$ -law), G.729 and T-38

### Hardware

- LCD 16x2
- Default central module 1U for 19" rack
- Telephony modules use 1U every two modules
- Dimensions 437.8 (width) x 380 (length) x 44.45 mm (height)

### Monitoring, diagnosis and administration by Web Interface

- Support for SNMP
- Viewing of channel status by Web
- Call counters by channel
- Channel occupation monitoring
- CDR in customizable format 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

- Selection of routes based upon destination number, origin number or origin IP
- Creation of routes with prioritization
- Route loyalty (allows changing destination number)
- Configuration of alternate routes (by time, automatic overflow and fallback)
- Forwarding based upon inquiry on numerical portability
- Routing of calls by time
- Possibility of analysis through CDR files

### Guarantees and Certifications

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