



# KMG 400 V

Media gateway from 1 to 4 E1/T1



front



back

- Modular from 1 to 4 E1/T1 (option with BNC or RJ45 connectors)
- Up to 300 VoIP channels
- Up to 90 VoIP calls
- Inquiry on portability by webservice
- R2 and ISDN links
- Default dimensioning 1U for 19" rack

Comparative table of call capacity between E1//T1 and VoIP

Quantity of E1/T1	1	2	3	4
Quantity of G.711 channels	30	60	90	120

Comparative table of call capacity between VoIP and VoIP

Calls	30	60	90
Quantity of G.711 channels	60	120	180

The KMG 400 V is a media gateway of up to 4 E1s and SBC integrated. It was developed for applications in the corporate market, or for use in SCM operators that seek the integration of TDM and NGN networks, combining efficiency and high availability.

It has a complete user interface and simple operation, with resources as call routing by time and based upon several parameters of the number of origin and destination. The capacity of handling the input and output digits complement this resource and allow the loyalty of the long distance operator. The KMG 400 T is flexible in the call routing, it being possible to route calls between SIP and E1/T1 channels.





### KMG 30 VoIP License

The KMG 400 V allows the installation of up to 3 KMG 30 VoIP licenses, allowing its use as an SBC of the type B2BUA, routing up to 90 SIP calls from one network to another. The KMG 400 V has 3 network interfaces which can be configured to interconnect up to 3 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.

### Khomp monitoring software

With it the user can follow up the performance in real time of several gateways from a central point (NOC). This monitoring tool is especially useful for operators and call centers.

*(Optional item)*

### Khomp ByPass Resource

In user applications, where the gateway is installed in front of the PABX, the bypass resource can be installed to connect physically the link 1 to 2 and 3 to 4, in case of gateway failure. These features together with the support and commercial facilities of Khomp make the KMG 400 V an excellent option for the network core, call centers and corporate environments.

*(Optional item)*

### KMG 30 VoIP license

Besides the E1/T1 trunks, it handles the addition of up to 2 KMG 30 VoIP licenses, totaling 60 VoIP calls. This resource allows the interconnection of several IP networks using the same routing and classification resources available for the E1/T1 trunks.

*(Optional item)*

### 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

### Support for Trunks

- TDM Digital – from 1 to 4 E1/T1 (ISDN, R2)
- 3 gigabit network interfaces (100/1000 Mbps)
- IP – 30 SIP channels for each E1/T1 link and 2 SIP channels for each VoIP call

### Operating Interfaces

- Interface of configuration by Web
- Module of diagnosis by Web
- Control of access to the interface by user
- Analyzer of E1/T1 signaling (R2 and ISDN)





### CODECs Supported

- G.711, GSM, DVI4, T-38, A-law and U-law

### System Status

- System Status by Web
- Status of Trunks and Channels by Web
- Detailed diagnosis of E1 link
- Support for SNMP

### Call Record

- Generation of CDR (customizable CSV format)
- Channel occupation monitoring
- Call counters by channel
- Options of download in CSV file (compatible with Microsoft Excel)
- Automatic exportation by FTP

### Call routing

- Capacity of routing calls by different routes, based upon destination number, origin number, origin link and origin address
- Configuration of alternate routes (by time, automatic overflow and fallback)
- Route loyalty (capacity of changing destination number)
- Routing of calls by alternate routes based upon the time
- Inquiry on portability by webservice

### Physical

- Dimensions: 438 (width) x 380 (length) x 44.7 mm (height)
- Internal source Full Range 110-240 VAC
- Power supply DC/DC -48 VDC

### Guarantees and Certifications

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

### Other Images:



*Model with 4 RJ45 connectors for 4 E1/T1 links*

