



UMG 100

User Media Gateway to E1 and VoIP



- Transcoding in 30 channels
- Echo cancellation
- SNMP support
- Customizable CDR
- Design Clean and easy installation

The UMG 100 is a user gateway of the Media Gateways line of Khomp, developed to handle small-size scenarios with the guarantee of high performance. This equipment handles 1 E1 link, up to 30 VoIP channels, registration in up to two different SIP accounts and was prepared to be connected to the Public Switched Telephone Network (PSTN), VoIP links, soft-switches and PABX equipment. The UMG 100 is robust and efficacious, has DSPs dedicated to handling critical tasks of telephony and echo cancellation, to provide high quality audio. It has transcoding in all the channels, handles the main signaling and CODECs in the market, as well as executing the control and routing of the calls, in accordance with the programmed rules. The User Media Gateway, as the name itself suggests, is a gateway developed to attend to users, with dimensions which favor its easy installation and friendly Web interface for configuration and monitoring.



Web Interface

The UMG 100 has a friendly Web interface for monitoring, configuration, diagnosis and administration of the system. This allows optimization of time and greater autonomy for the user.

Generation of Logs for Diagnosis

Access to the logs by the Web interface, which facilitates diagnosing the problem, as well as speeding up the solution.

Routing and Loyalty

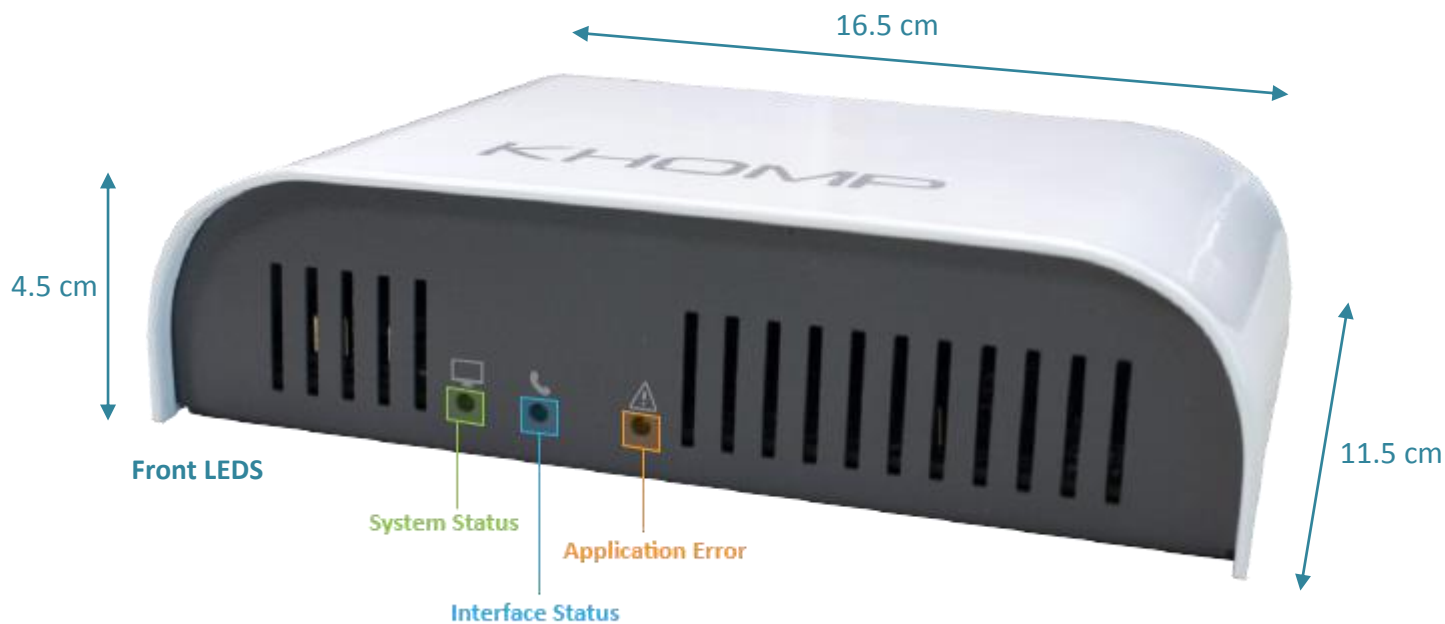
Greater control of expenses, through the possibility of configuration of routing by prefixes and loyalty of operators.

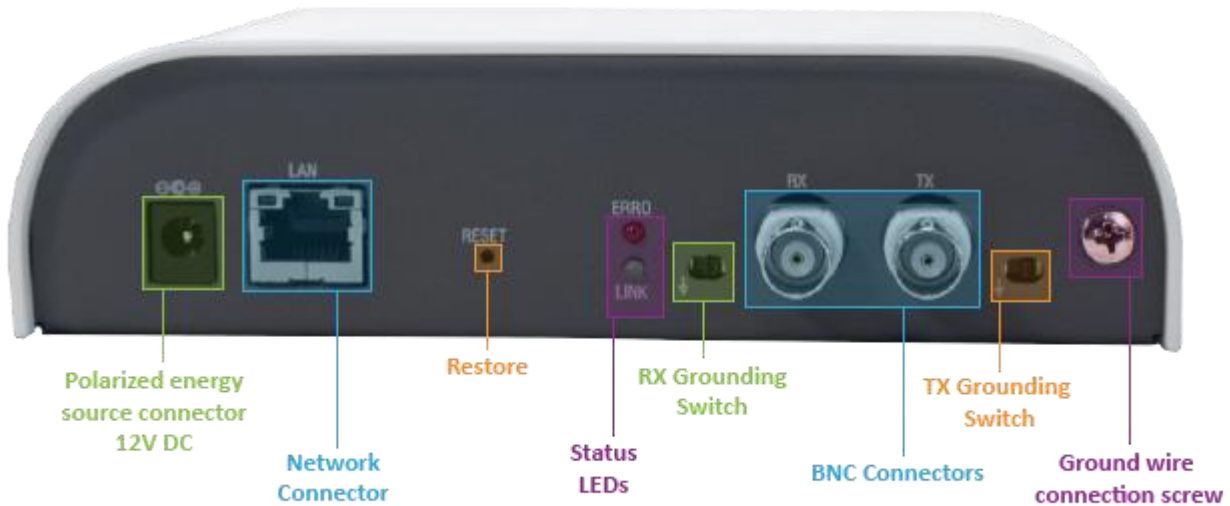
Efficient Architecture

The UMG 100 is a compact and efficient system, which can be defined in three basic parts:

- A CPU board, responsible for the routing of calls, access to the portal of configuration and monitoring, and for all the high level resources of the equipment.
- A telephony module, responsible for the access to the E1 interface, and for the execution of the critical tasks in real time.

An external network port 10/100/1000 is responsible for the integration of the system and for all the management of the IP traffic, including the VoIP.





Features and Benefits:

Handles Trunks and CODECs

- E1
 - ISDN or R2 signaling
 - 1 link
 - 30 channels
- VoIP
 - SIP Signaling
 - Support for up to 2 SIP accounts
 - 30 channels
 - Transcoding
- Codecs
 - G.711 (A-law and μ -law)
 - G.729A
- Voice qualityon
 - Echo cancellation
 - Dedicated processing for VoIP
- Handles FAX in the pass-through mode

Specifications of product software

- Support for SNMP
- Call routing by prefix
- Loyalty by operator
- Customizable CDR billing (CDR - Call Detail Record)
- Generation of logs for diagnosis
- Status of E1 link
- Detailed diagnosis of E1 link
- Interface for configuration





- Protocols handled
 - Session Initiation Protocol (SIP)
 - Simple Network Management Protocol (SNMP)
 - Domain Name System (DNS)
 - Internet Control Message Protocol (ICMP)
 - Internet Protocol (IP)
 - Real-Time Transport Protocol (RTP)
 - Transmission Control Protocol (TCP)
 - User Datagram Protocol (UDP)
 - File Transfer Protocol (FTP)
 - Hypertext Transfer Protocol (HTTP)
- Monitoring by SNMP
- WEB Portal
 - Monitoring
 - E1 Link
 - Channels of E1 Link and VoIP
 - Configuration
 - Routing
 - Routing by prefix
 - Advanced routing by regular expressions
 - E1 Link
 - VoIP Accounts
 - Customized CDR
 - Diagnosis and debugging of system by log messages
 - Administration
 - Maintenance of system
 - Provisioning of configuration of device (export and import)
 - Reinitialization of device
 - Change of password of administration user
 - Adjustment of system date and time
 - Device network configuration

Physical specifications of product

- Energy Source - Input: 100-240V 50/60 Hz, Output 12V/2.5A
- Dimensions: 4.5cm (height) x 16.5cm (width) x 11.5cm (length)
- Connections
 - E1: Coaxial BNC or RJ45
 - Gigabit network: network port 100/1000 Base-T
 - Polarized energy source connector 12V DC
- LEDs
 - Equipment status LEDs
 - E1 Link status LEDs
- Reset/restore button

Warranties and Certifications

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

Outras Imagens





Administração do sistema - Manutenção

Reiniciar o sistema:

Reiniciar

Atualização de firmware:

Atualizar

Upload dos arquivos de configuração:

Enviar

Download dos arquivos de configuração:

Baixar

Trocar Senha:

Alterar

Modo de depuração:

Desativar

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UMG - User Media Gateway

Administration Screen


Link UP

Erros do Link	Quantidade
Bloqueado	0
Perda de Sinal	0
Notificação de Alarme	0
Alarme de Quadro	0
Alarme de Multiquadro	0
Alarme Remoto	4
Alarme de Escorregamento	0
PRBS	0
E-bits Incorretos	0
Varição Jitter	0
Tempo de Quadro sem Sincronismo	0
Quadro sem Sincronismo	0
Erros de Quadro	0
Violação Bipolar	0
Erro CRC4	0

Limpar contadores de erros do link:

Limpar

Reiniciar link:

Reiniciar

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Monitoring Screen




Logs



Logs em Backup



Baixar



Atualizar

```

I|08/12/2014 11:29:08.610|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 11:31:02.851|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 11:35:41.810|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 12:19:17.801|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 12:19:33.421|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 13:46:29.381|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 14:01:56.180|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 14:47:52.201|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 15:57:41.841|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 15:57:42.000|CLIENT | Logger config reload requested (klogserver)
I|08/12/2014 16:11:05.801|Monitor |D665| EBS module starting up (3.1.20971) (fw_ebs)
I|08/12/2014 16:11:07.784|K3L | K3L API 3.1 - (rev: 20971) (k3l)
I|08/12/2014 16:11:09.631|K3L | K3L is about to connect to media server (k3l)
I|08/12/2014 16:11:27.300|SERVER | Running server... (kmp)
I|08/12/2014 16:11:28.325|Monitor |D665| EBS module waiting for control server (fw_ebs)
I|08/12/2014 16:11:30.068|CONTROL | Connected from 127.0.0.1:59435 to KMP Server 127.0.0.1:14102 (K3L) (kgateway.mediacontrol)
I|08/12/2014 16:11:30.364|K3L | 1 EBS device(s) configured (k3l)
I|08/12/2014 16:11:30.368|K3L | Server configured to handle EBS 665 (k3l)
I|08/12/2014 16:11:32.458|VOIP | Starting 30 voip channels (kardhmp)
I|08/12/2014 16:11:42.893|K3L | Starting EBS control server (k3l)
I|08/12/2014 16:11:42.896|K3L | K3L successfully started (k3l)
I|08/12/2014 16:11:47.746|CONTROL | Connected from 127.0.0.1:60567 to K3L 127.0.0.1:14101 (TE-665) (tdmop-fw_ebs_comm)
I|08/12/2014 16:11:47.747| EBS control session TE-665-0[0] starting (TE-665-0[0]) (ebs_comm.k3l)
I|08/12/2014 16:11:47.757|Monitor |D665| EBS module ready (fw_ebs)
I|08/12/2014 16:11:48.118|K3L |D665| Link is Up ( 0 ) (k3l)
I|08/12/2014 16:31:57.241|CLIENT | Logger config reload requested (klogserver)
    
```

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Diagnosis Screen


Roteamento



Link E1



Contas VoIP



CDR



Reconfigurar

Aplicar

Configuração geral do sistema - Roteamento

Rota	Número do Destino		Número da Origem		Opções
	Filtro do Prefixo	Alterar Número	Prefixo	Alterar Número	
E1 > VoIP					
VoIP > E1					

Adicionar Rota Desfazer Salvar

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Configuration Screen