



EBS - GSM

1 to 16 GSM interface external board for Soft PBX



front



back

- **Models:**

EBS-GSM 10, with 1 GSM channel

EBS-GSM 20, with 2 GSM channels

...

EBS-GSM 160, with 16 GSM channels

- **Dimensions in mm:**

44,5 (height) x 220,5 (width) x 280 (length)

The EBS-GSM board keeps the standard and quality of Khomp boards family, developing complete signaling and audio processing on the hardware itself. Available voice resources, such as: inbox detection, DTMF and AGC detection and suppression, call progress, audio messages playing and recording, and more, allow the use of EBS-GSM board in several applications, such as: dialer for cellular, cellular/VoIP gateway, cellular interface for call center or PBX, SMS gateway and many other.

The EBS-GSM board is a 1U 1/2 rack (9 1/2") compact module with capacity for up to 16 GSM channels in a single equipment and its front side is easily removable for chips replacement. Each GSM module supports up to 2 SIM Cards from different companies, allowing to prioritize lower cost routes at companies.





As well as EBS product family, EBS-GSM board was also developed by Khomp to meet a demand of work expansion, with more channels or different interfaces, without the need to stop the operation for opening the server or worry about the connection bus, ensuring continuity and reliability of the solution.

Together with EBS, Khomp provides drivers for integration with main open source PABX apps, such as Asterisk and FreeSWITCH.

Features and benefits:

- Supports up to 16 GSM interfaces
- Modularity: 1 by 1, up to 16 GSM interfaces
- Quad Band GSM Interface: 850/900/1800/1900 MHz
- Compatible with SIM cards from all GSM companies, allowing SIM cards from different companies on the same equipment
- 2 SIM Cards per interface, one active and the other stand-by
- 2 Ethernet ports for connecting to server
- Compatible with Asterisk and FreeSWITCH
- Support for SMS transmission and reception through dial plan or AMI interface
- Information about signals and channel status is reported through AMI interface
- Answering detection available via dial plan and AMI interface
- Signaling specific commands available via AGI and AMI interfaces
- Full commutation between all channels and between modules
- Balance for calls between channels with one or more output routes
- Inbox detection (signals: 600 Hz/450 ms – 1000 Hz/450 ms)
- DTMF tones, 425Hz, silence and voice detection on all channels simultaneously
- It generates 425 Hz, DTMF and beep signals
- Call progress analysis and remote answering
- DTMF suppression in set calls
- Filter for blocking calls with reverted charge in general or one by one, based on the tone of reverted-charge call
- It can limit the possibility of sending the caller number (if supported by the telephone company)
- Information about antenna and registry at company available through web interface
- All voice resources are directly available on the board
- Standard 1U module and 1/2 rack 19"
- Power Supply AC 110/220V or DC 48V
- Dimensions in mm: 44.5 (height) x 220.5 (width) x 280 (length)
- Weight: 3,66 to 4,00 kg.
- Manufacturer 3 years guarantee
- Support for 3G (optional item)





More Images:



Example of installing multiples EBS standard 1U rack x 19"



EBS-GSM with 16 channels, open front



Model 3db antenna that came with it

