

Platform for GSM Telephony Systems



FEATURES

- Server with integrated GSM telephony interfaces
- Up to 16 GSM channels, 3G or 2G
- Supports 2 SIM cards per channel:
1 active, 1 in stand-by
- 1U cabinet for 19-inch rack mounting

APPLICATIONS

- IP PBX with mobile telephony interfaces
- Voice gateway with GSM telephony interfaces
- Recording systems
- SMS sending and receiving applications

Overview

EBS Server GSM is an appliance that combines a server with GSM telephony interfaces. It enables the development of telephony solutions requiring mobile technology. It includes processors that are exclusively used for handling the critical telephony tasks, without compromising the application or the installed operating system.

It can be purchased with up to 16 GSM channels, and it comes with a front cover that can be easily removed for SIM card installation and replacement. Up to two SIM cards (which can be of different carriers) can be installed on each channel: one will be active and the other will be in stand-by. Its friendly web interface allows users to manage the operation of the GSM interfaces and the SIM cards.

It is ideal for developing solutions such as: GSM voice gateways, SMS systems, IP PBX systems with GSM interfaces, as well as other applications requiring mobile technology services.

Models

EBS Server GSM can be purchased with all GSM 2G or 3G interfaces included, with the option to choose from 1 to 16 channels pertaining to the same mobile network.

- **EBS Server GSM** - with 2G GSM interfaces.
- **EBS Server GSMH** - with 3G GSM interfaces and 2G fallback.

Product images



Front view with open cover for SIM card installation



Rear view with 8 GSM channels



Rear view with 16 GSM channels

Technical Specifications

Server hardware

- Mini-ITX IPX1800G1/G2/E2 motherboard
- Integrated Intel Celeron Dual Core J1800 2.41 GHz 64-bit
- 2G DDR3 RAM Memory (expandable to 8 GB)
- 1x SSD 2.5" 120 GB (supports up to 2x 2.5" SATA disks)
- 3x RJ45 Gigabit Ethernet 10/100/1000 Mbps
- 1x VGA port
- 2x USB 2.0 ports

GSM Interface

- Up to 16 GSM channels
- 2x SIM cards per channel, one active and one in stand-by
- Supports SIM cards from different carriers in the same module
- Available band:
 - **2G Quad-band:** 850/900/1800/1900 MHz
 - **3G Penta-band** (available on the H model): 850/900/1700/1900/2100 MHz with fallback to 2G quad-band
- SIM card size: mini SIM (2FF)
- Sending and receiving of SMS
- SMS receipt, confirmation, and error notifications
- 1x 3dB antenna with cable included per GSM channel

Optional Items*

- SSD 120 GB 2.5"
- HD 500 GB 2.5"
- 4 GB or 8 GB DDR3 RAM memory
- Power supply -48 VDC

* Optional items are available at an additional cost.

Physical/Environmental

- Power supply:
 - Input: 100–240 VAC 50/60 Hz
 - Maximum power consumption: 150 W
- Optional power supply:
 - Input: -48 VDC
 - Maximum power consumption: 200 W
- Dimension (W x H x L): 437.8 x 44.45 x 380 mm
- Operating temperature: 0–50 °C
- Operating humidity: 10–90% non-condensing
- Storage temperature: 0–85 °C
- Storage humidity: 10–90% non-condensing
- Standard 1U Module for 19-inch racks

Warranties and Certifications

- Total warranty (legal + Khomp warranty): 1 year
 - Legal warranty: 90 days
 - Khomp warranty: 9 months
- Anatel (Brazilian National Telecommunications Agency) Certification
- ISO 9001 certified industry

Compatibility

- Windows
- Linux (kernel version 3.10 or higher)
- FreeBSD
- pfSense

Application model

Installing an IP PBX on the EBS Server GSM



ENABLING TECHNOLOGY

Contact us

- +55 (48) 3722.2900
- comercial@khomp.com

Rua Joe Collaço 253, Florianópolis
CEP 88037-010 – Santa Catarina, Brazil