KHOMP

Server with built-in switch

Main features

- Two options of processor to choose from

- Dedicated processor for hosting custom platforms or applications

- Built-in manageable gigabit network switch

Applications

- Firewall installation

- IP PBX

- Voice Gateway

- Proxy Server

- IVR - Interactive Voice Response

- DAC

Overview

EBS Server PRO is an appliance consisting of a gigabit Ethernet switch integrated into a server, allowing you to install custom operating systems and applications. This appliance is presented as an excellent platform for the development of IP telephony applications, such as an IP PBX system and a voice gateway, as well as network security systems, such as firewalls and proxies.

Using the available network ports, you can connect external EBS telephony modules developed by Khomp (sold separately) with any combination of telephony interfaces to create telephony applications, such as a gateway with E1/T1, GSM, FXS, FXO and VoIP interfaces, or a PBX system with analog and digital telephony interfaces, for example. This architecture allows the EBS to perform all audio processing and telephony signaling requests, with echo cancellation for all calls simultaneously, freeing the EBS Server PRO to process your application and operating system. The ability to add external telephony modules allows the solution to have a low upfront investment and to grow with your business needs.

Manageable switch

EBS Server PRO line equipment has a switch with exclusive processing for managing data traffic.

Using the KSwitch application, developed by Khomp, it is possible to manage the switch on Linux, Windows and FreeBSD operating systems. The configuration possibilities allow the creation of VLANs, which may or may not propagate the marking of packets to the network, opting, for example, for visibility between the switch's network ports, among other forms of configuration.

Models

The EBS Server PRO line has 2 models that differ in processing capacity, offering the best cost benefit for each business model.

Model	Processor	Storage	Ethernet ports
PRO A1301	9th generation Intel® Core™ i7	1 x SSD SATA 120 GB	13
PRO A1302	9th generation Intel® Core™ i5	1 x SSD SATA 120 GB	13

Product images

Subtitle: *Front view of the PRO A130x model.*

Subtitle: *Rear view of the PRO A130x model with redundant power supply.*

Technical specifications

> ⚠️ **Attention**
> - Product hardware may be replaced without notice.
> - Replacement happens when raw material is not available on the market or when better hardware comes along.
> - When the hardware is replaced, the product will operate at the same potential as the previous configuration.

EBS Server PRO A130x
- Server:
  - [MIX-H310A2]***** motherboard
  - Processor (see [model] table)
  - 2 DDR4 SODIMM slots (maximum 32 GB)
  - Support 4 2.5" SATA disks*****

- Manageable switch
  - 13 x RJ45 gigabit Ethernet 10/100/1000 Mbps

- Optional items*****
  - SSD 120 GB 2,5"
  - HD 500 GB 2,5"
  - 4 GB or 8 GB DDR4 RAM
    - **Possible combinations**
      - 4 GB = 4GB
      - 4 GB + 4GB = 8GB
      - 8 GB = 8 GB
      - 8 GB + 8 GB = 16 GB
  - Redundant full range power supply

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

Server Hardware
- 1 x VGA
- 2 x USB 2.0
- 1 x RS-232 serial

Physical/Environmental***
- Power supply (standard):
  - Input: 100−240 VAC, 50/60 Hz
  - Maximum power consumption: 150 W
- Redundant power supply (optional item):
  - Input: 100−240 VAC, 50/60 Hz
  - Maximum power consumption: 120 W
- Display OLED 0.96" (1,90x2,73 cm)
- Dimensions (WxHxL): 443.4x395x44.45 mm
- Transport box dimensions: 580x480x90 mm
- Gross weight: 9.6 kg
- Net weight: 7kg
- Operating temperature: 0−50 ºC
- Operating humidity: 10−90% non-condensing
- TStorage 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 Certification (Brazilian National Telecommunications Agency)
- ISO 9001 certified industry

* *Check availability.*

** *Optional items incur additional costs.*

*** *Power can be either AC or DC, either single or redundant, on all models.*

*****Does not support display usage.*

Application model