

Appliance with integrated server and switch



Main features

- Dedicated server for running applications, with integrated network switch
- Dedicated processor for embedding custom platforms or applications
- Network switch with four gigabit Ethernet ports

Applications

- IP PBX system
- Voice gateway
- Firewall
- IVR or ACD systems

Overview

EBS Server 40 is an appliance consisting of a 4-port Gigabit Ethernet switch integrated into a server, allowing you to install custom platforms and systems. This appliance is presented as an excellent platform for the development of network applications and network security systems, such as firewalls and proxies.

Using the available network ports, you can connect up to three external EBS telephony modules developed by Khomp (sold separately) with any combination of telephony interfaces to create applications such as: a gateway with E1/T1, GSM, FXS, FXO and VoIP interfaces, a PBX system with analog and digital telephony interfaces or an IP PBX system. 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 40 to process your application and your 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 40 features a manageable switch with unique processing features for data management. You can use the KSwitch application developed by Khomp to program the switch for Linux, Windows, and FreeBSD operating systems. The possibilities for configuration allow for the creation of VLAN networks with the option of marking packages for the network, making it possible, for example, to create visibility between the switch's network ports among other types of configurations.

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.

Server hardware

- Mini-ITX IPX4120E motherboard
- 1.1 GHz Intel Celeron N4120 Quad-core Processor
- 0 GB DDR4 RAM memory (expandable to 4 GB and 8 GB)
- 1 DDR4 SODIMM slot (maximum 8 GB)
- 1x SSD 120 GB 2.5" (supports up to 2 SATA 2.5" disks or 1 SATA M.2 S80 SSD and 1 SATA 2.5" disk)
- 4x RJ45 gigabit Ethernet 10/100/1000 Mbps
- 1x VGA
- 2x USB 2.0 (1 in the front/1 in the back)

Compatibility

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

Warranties and certifications

- Total warranty (legal + Khomp warranty): 1 year
 - Legal warranty: 90 days
 - Khomp warranty: 9 months
- ISO 9001 certified industry

Optional items*

- SSD 120 GB 2.5"
- HD 500 GB 2.5"
- 4 GB or 8 GB DDR3 RAM memory

* Optional items are available at an additional cost.

Physical/Environmental

- Power supply:
 - Input: 100–240 VAC, 50/60 Hz
 - Maximum power consumption: 150 W
- Dimensions (W x H x L): 17.4" x 1.7" x 7.4"
- Approximate weight: 8.2 lb (without packaging)
- Power button
- Device status LED
- HDD status LED

Product images



Front view



Rear view

Application model

