KHOMP
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Platform for E1 Telephony Systems

FEATURES

- Modular with 1 or 2 E1s

- Supports R2D and ISDN Signaling

- IPX1800G1 or IPX1800G2 motherboard

- Acrosser mini ITX board

- 2G DDR3L RAM Memory (expandable to up to 4G)

APPLICATIONS

- PBX

- IP PBX

- Recording systems

- Gateway

- IVR

- DAC

Overview

The EBS Server Light is an appliance with a capacity of 1 or 2 E1 links and support for R2D and ISDN signaling. A product developed with high technology, it was designed to meet the needs of small and medium-sized markets at reduced cost. For equipment with 2 E1 Links, it also allows for the use of a Bypass module, a contingency resource for hybrid solutions.

It has a CPU for processing, creating a unique, rugged telephony platform that includes dedicated DSPs for handling critical telephony operations and echo canceling. These resources work together to provide a large capacity for call processing that guarantees high quality audio. The equipment is housed in compact hardware that can be installed in a 19" rack occupying 1U.

Models

EBS Server Light can be purchased in the following models:

- **EBS Server Light 300** – with one E1 link.
- **EBS Server Light 600** – with two E1 link

Product images

Front view

Rear view of model with one E1 links

Rear view of model with two E1 link

Technical specifications

Hardware

- IPX1800G1 or IPX1800G2 motherboard*****
- Acrosser mini ITX board
- Processor Intel Celeron J1800 64-bits
- One Fast Ethernet port
- Full Range AC Power Supply
- 2G DDR3L RAM Memory (expandable to up 4G)
- 1 SATA SSD 16G HD
- BNC or RJ45 connector for E1s
- Standard 1U module for 19" rack
- Dimensions: 432 x 44 x 185 mm

* *For more information, see the product manual.*

E1 interface

- Module with 1 or 2 E1 links
- Supports R2D and ISDN Signaling
- All voice resources available simultaneously on all channels
- DSPs for processing of áudio and signaling
- Echo canceling hardware

Opcional items ******

- DDR3L 2G extra memory
- Available with Bypass module *******

** *Optional items at additional cost.*

*** *Optional items at additional cost.Only for model with 2 E1 links.*

Compatibility

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

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
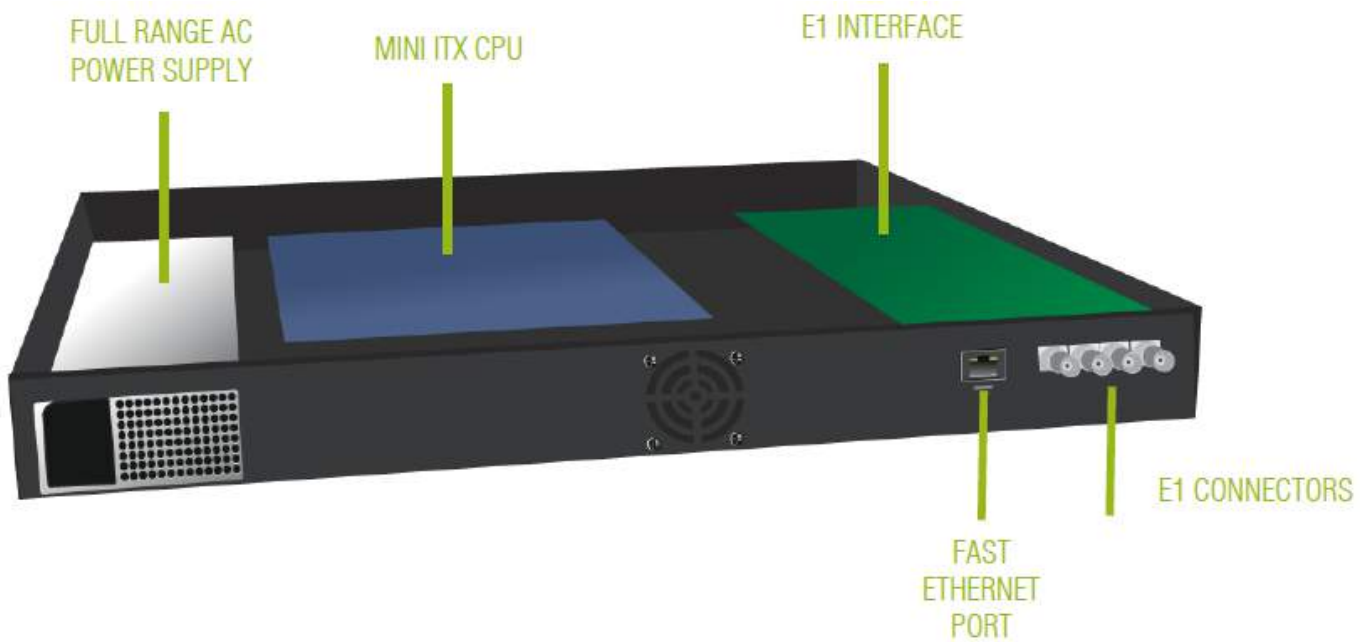- Operating temperature: 0–50 °C

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
- Operating humidity: 10–90% non-condensing
- Storage temperature: 0–85 °C
- Storage humidity: 10–90% non-condensing
- Standard 1U Module for 19-inch racks

Internal setup

EBS Server Light with two E1 links

FULL RANGE AC POWER SUPPLY · MINI ITX CPU · E1 INTERFACE · FAST ETHERNET PORT · E1 CONNECTORS

Aplication model

Installing an IP PBX on EBS Server Light

Contact us

+55 (48) 3722.2900

comercial@khomp.com

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