KOMBINER

KHOMP
www.khomp.com

Overview

The Kombiner is a piece of equipment that concentrates various GSM interfaces in a single antenna, allowing for the optimization of dB gain on the GSM signal for operations using Khomp GSM interface equipment. These include: EBS GSM, EBS Server GSM, KMG GSM 160, KMG GSM 320, KMG 1600 VGT, KMG 3200 VG and KGSM board.

The Kombiner is used by connecting cables to the antenna outputs of the GSM interfaces, combining the equipment's output signal into a single antenna with increased strength, bringing the external signal inside the Data Center.

The Kombiner family of equipment includes the Kombiner-4 and Kombiner-8 models in a compact piece of tabletop hardware, and the Kombiner-16 and Kombiner-32 models, designed for installation in 19" racks.

Characteristics and Benefits

Specifications

- Operating frequency of 800 - 2200 MHz
- Maximum input power of 20W per channel
- Isolation between adjacent channels of 20dB
- Amplitude balance of +/- 0.3dB
- 50Ω input / output impedance
- Metallic cabinet for 19" rack, with height of 1U (for models with 16 and 32 channels)
- SMA-F input connectors
- Includes 60cm RG174 cables with SMA-M connectors for connection with equipment

Guarantees and Certifications

- Factory warranty 1 year
- ISO 9001:2008 Industry certified

Comparative table for Kombiner models

MODELS	KOMBINER-4	KOMBINER-8	KOMBINER-16	KOMBINER-32
Capacity	4 channels	8 channels	16 channels	32 channels
VSWR	< 1, 4:1	< 1, 4:1	< 1, 4:1	< 1, 4:1
Loss per channel	> 6dB	> 9dB	> 12dB	> 15dB
Amplitude balance	+/- 0.3dB	+/- 0.3dB	+/- 0.3dB	+/- 0.3dB
Dimensions (in mm)	220 x 126 x 31	220 x 126 x 31	477 x 240 x 44.45	477 x 240 x 44.45

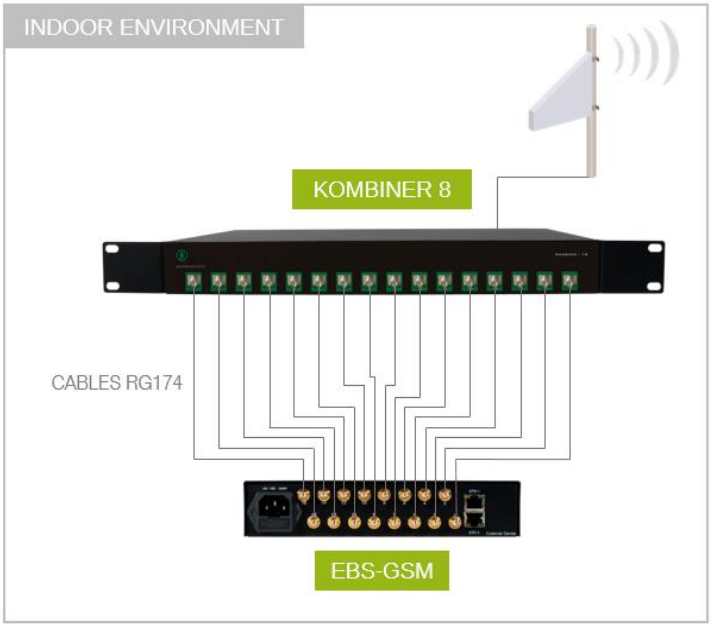
KOMBINER

50Ω POWER

EXCLUSIVE OPTIONS FOR KOMBINER

To combat imbalance of impedance caused by not using some ports, a 50Ω antenna termination should be connected to the open inputs.

Application Model



Additional product images

Kombiner - 4

Kombiner - 8

Kombiner - 16

Kombiner - 32

Rua Joe Collaço, 253, Florianópolis, SC | CEP 88037-010 | Brazil (+55 48) 3722.2900 | comercial@khomp.com