

# MBR 144 OEM



KONGSBERG



## MARITIME BROADBAND RADIO

The Maritime Broadband Radio is a smart antenna designed for use in any application where digital high-speed reliable communication and data transfer is crucial for efficient and safe operation. MBR 144 OEM is the low weight, compact version in the MBR family. Designed for customer specific integration, with a flexible form for easy fit into existing platforms. The antenna connections are connector-based, thus the antennas can be adjusted for the customer specific design.

### TECHNICAL SPECIFICATIONS

#### PERFORMANCE

##### Range

Operational range 1)	20 km
User data	0.7 to 16.5 Mbps

##### Antenna coverage

Omni-directional	360 degrees azimuth
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##### RF specifications

Frequency band 2)	4900 MHz to 5900 MHz
Channel bandwidth	20 MHz
Tx power	Up to 2 W
Modulation	GMSK
Antenna connectors	4, SMA

##### INTERFACES

Ethernet / LAN	1
	2 (optional)

#### WEIGHTS AND DIMENSIONS

MBR unit (excl. cables and antennas)	260 g, 120 x 78 x 35 mm
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#### POWER

Supply voltage	12 - 24 V DC
Max. power consumption	25 W
Idle	6 W

#### ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	-30 °C to +55 °C
Operating humidity	20 to 100 % RH
Storage humidity (recommended)	20 to 70 % RH

#### STANDARDS AND REGULATIONS

##### MBR is in conformity with RED directive 2014/53/EU

EMC	ETSI EN 301 843-1 ETSI EN 301 843-7 IEC 60945/EN 60945
Radio	ETSI EN 303 276
Product Safety	IEC 61010-1/EN 61010-1
Environmental	IEC 60945/EN 60945

1) Operational range is dependent on antenna placement and height

2) Configurable range for the single 20 MHz channel

Specifications subject to change without any further notice.

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