

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

User data 0.7 to 16.5 Mbps

Antenna coverage

Omni-directional 360 degrees azimuth

RF specifications

Frequency band ¹⁾ 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

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

Ingress protection IP41

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⁾ Configurable range for the single 20 MHz channel

Specifications subject to change without any further notice.

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