

MBR 144



KONGSBERG



The Maritime Broadband Radio is a smart antenna designed for use in maritime applications where digital high-speed reliable communication and data transfer is crucial for efficient and safe operations. Completely enclosed with integrated antennas the MBR 144 is designed for installations on small manned and unmanned vessels. The unit has an integrated bracket for easy installation on vertical or horizontal rails, and with built-in GNSS sensor, the unit has possibility for absolute positioning. With its neat and slim design, and only one cable to connect, the MBR 144 is easy to deploy on the vessel.

TECHNICAL SPECIFICATIONS

PERFORMANCE

User data 0.7 to 16.5 Mbps

Antenna coverage

Omni-directional 360 degrees azimuth

RF specifications

Frequency band 5725 MHz to 5850 MHz
Channel bandwidth 20 MHz
Antenna gain 8 dBi
EIRP Up to 36 dBm
Modulation GMSK
Antenna elements 4

INTERFACES

Ethernet / LAN 1x RJ 45

WEIGHTS AND DIMENSIONS

MBR Unit 2.5 kg, 260 x 115 x 115 mm

POWER

Supply voltage 24 V DC
Max. power consumption 25 W
Idle 7 W

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range -40 °C to +55 °C
Operating humidity 20 to 100 % RH
Storage humidity (recommended) 20 to 70 % RH
Ingress protection IP 66

STANDARDS AND REGULATIONS

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

FCC ID	Q8IM144M2FIX
EMC	ETSI EN 301 843-1 ETSI EN 301 843-7 IEC 60945/EN 60945
Radio	FCC §15.407
Product Safety	IEC 61010-1/EN 61010-1
Environmental	IEC 60945/EN 60945 DNVGL-CG-0339 IACS E10



Specifications subject to change without any further notice.

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