

MBR 144 SUBMERSIBLE



KONGSBERG



MARITIME BROADBAND RADIO

The Maritime Broadband Radio is a smart antenna designed for use in maritime applications where digital high-speed reliable communication and data transfer are crucial for efficient and safe operations. The MBR 144 Submersible allows for resilient and long-range data exchange for surfaced subsea vehicles. The MBR 144 Submersible is certified for 1000m depth, and has integrated antennas. The sole connection to the MBR 144 Submersible is one connector for power and Ethernet.

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 7 dBi
EIRP Up to 36 dBm
Modulation GMSK
Internal antenna elements 4

INTERFACES

Ethernet/LAN 1

WEIGHTS AND DIMENSIONS

MBR Unit 2.4 kg (0.8 kg submerged)
548 x 98 x 98 mm

POWER

Supply voltage 24 V DC
Max. power consumption 30 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
Pressure rating 1000 m

STANDARDS AND REGULATIONS

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

FCC ID	Q8IM144M20EM
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



Specifications subject to change without any further notice.

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