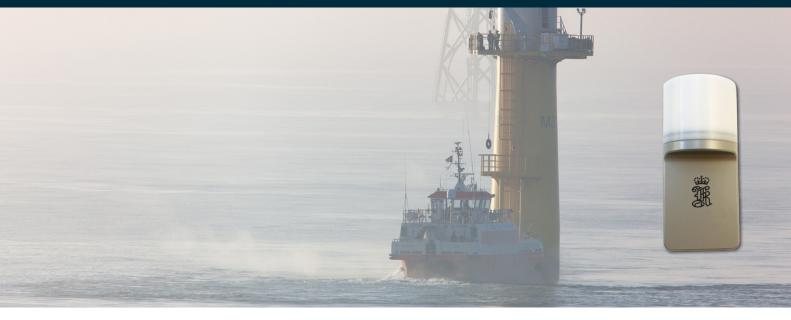
# MBR 144





## 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 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

Range Operational range <sup>1)</sup> User data

Antenna coverage Omni-directional

### **RF** specifications

Frequency band <sup>2)</sup> Channel bandwidth Tx power Antenna gain EIRP Modulation Antenna elements

INTERFACES Ethernet / LAN 20 km 0.7 to 16.5 Mbps

360 degrees azimuth

4900 MHz to 5900 MHz 20 MHz Up to 2 W 8 dBi Max 41 dBm GMSK 4 WEIGHTS AND DIMENSIONS MBR Unit

POWER Supply voltage Max. power consumption Idle

Ingress protection

#### ENVIRONMENTAL SPECIFICATIONS Operating temperature range

Operating humidity Storage humidity (recommended)

STANDARDS AND REGULATIONS Electromagnetic compatibility EMC

Radio Product Safety Compliance to LVD, standard used 2.5 kg, 260 x 115 x 115 mm

12-24 V DC 25 W 7 W

-40 °C to +55 °C 20 to 100 % RH 20 to 70 % RH IP 66

ETSI EN 301 843-7 IEC 60945/EN 60945 ETSI EN 303 276

IEC 61010-1/EN 61010-1

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Specifications subject to change without any further notice.

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<sup>1)</sup> Operational range is dependent on antenna placement and height

<sup>2)</sup> Configurable range for the single 20 MHz channel

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