

MBR 179 MK2



KONGSBERG



MARITIME BROADBAND RADIO



The Maritime Broadband Radio is a smart antenna designed for use in any application where resilient high-speed communication and high-capacity data transfer are crucial for efficient and safe operation. With beamforming the MBR 179 provides steerable high-gain antenna direction in an omnidirectional sector, ideal for vessels and moving assets. With narrow fan shaped antenna diagram, a strong link margin is maintained and continuously updated as the unit is unaffected of vessel movements.

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
Tx power Up to 1W
Antenna gain 21 dBi
EIRP Up to 51 dBm
Modulation GMSK
Internal antenna elements 60

INTERFACES

Ethernet/LAN 1x RJ-45

WEIGHTS AND DIMENSIONS

MBR unit 8.8 kg, 323 x 323 x 111 mm

POWER

Supply voltage 24 - 48 V DC
Max. power consumption, full TX 210 W

ENVIRONMENTAL SPECIFICATIONS

Operational temperature range
MBR Unit -40°C - +55°C

Humidity (operating/storage)

MBR Unit (recommended) 20 to 100 % RH / 20 to 70 % RH

Ingress protection

MBR Unit IP66

STANDARDS AND REGULATIONS

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

FCC ID Q8IM179MK2
EMC ETSI EN 301 843-1
ETSI EN 301 843-7
IEC 60945/EN 60945
FCC §15.407
Radio IEC 61010-1/EN 61010-1
Product safety IEC 60945/EN 60945
Environmental DNVGL-CG-0339 (48 V DC)
IACS E10 (48 V DC)



Specifications subject to change without any further notice.

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