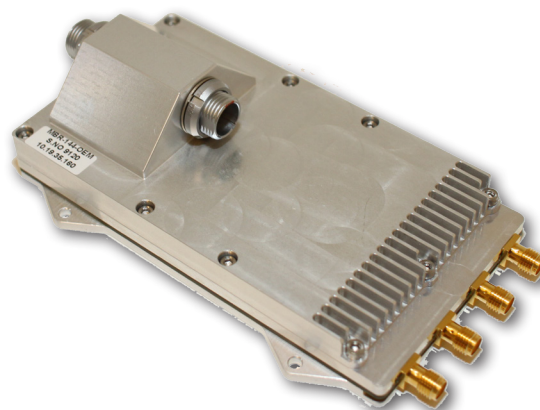


MBR 144 OEM



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.

TECHNICAL SPECIFICATIONS

PERFORMANCE

Range

Operational range	20 km ¹
User data	1 to 15 Mbps

Antenna coverage

Omni-directional	360 degrees azimuth
------------------	---------------------

RF specifications

Frequency band ²⁾	4900 MHz to 5900 MHz
Channel bandwidth	20 MHz
Tx power	Up to 2 W
Antenna gain	7 dBi
EIRP	Max 40 dBm
Modulation	GMSK
Internal antenna elements	4

INTERFACES

Ethernet / LAN	1
	2 (optional)

WEIGHTS AND DIMENSIONS

MBR Unit	300 g, 120 x 78 x 35 mm
----------	-------------------------

POWER

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

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	-30 °C to +55 °C
Operating humidity	20 to 100 % RH
Storage humidity (recommended)	20 to 70 % RH

STANDARDS AND REGULATIONS

Electromagnetic compatibility

Compliance to EMC, immunity/emission	IEC 60945/EN 60945
--------------------------------------	--------------------

Product safety

Compliance to LVD, standard used	IEC 60950/EN 60950
----------------------------------	--------------------

¹ Operational range is dependent on antenna placement and height.

² Configurable range for the 20 MHz band

Specifications subject to change without any further notice.

March 2017

KONGSBERG SEATEX AS

Switchboard: +47 73 54 55 00

Global support 24/7: +47 33 03 24 07

E-mail sales: km.seatex.sales@km.kongsberg.com

E-mail support: km.support.seatex@km.kongsberg.com

km.kongsberg.com/seatex



KONGSBERG