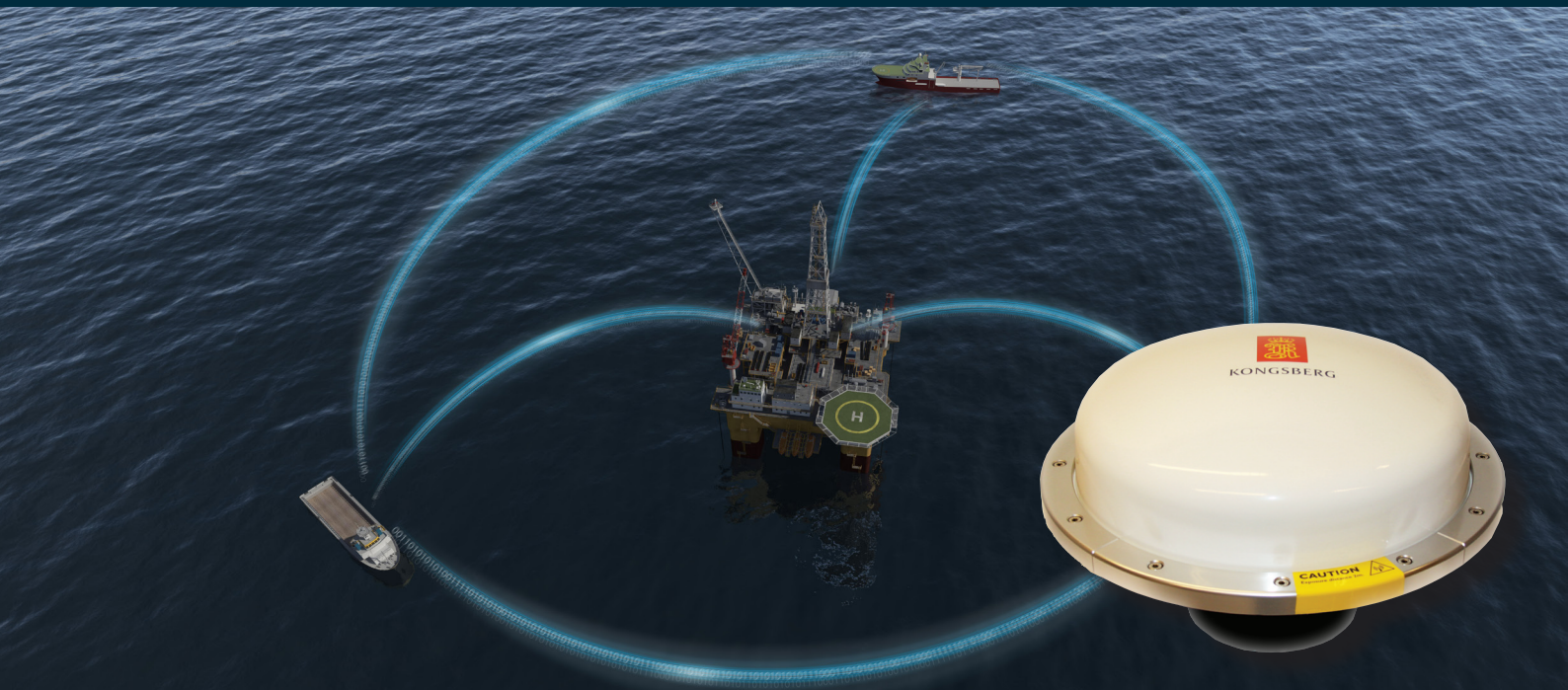


# MBR 179



KONGSBERG



## MARITIME BROADBAND RADIO

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The Maritime Broadband Radio is developed for use in maritime applications where digital high-speed reliable communication and data transfer are crucial for efficient and safe operations. The MBR 179 operates in the 5 GHz frequency band and has proven high capacity communication over distances in excess of 45 kilometres.

### Extremely robust

The MBR system enables high speed, high capacity and extremely robust data, voice and video transfer between multiple vessels and other assets.

### Network

The system is a maritime radio network distribution system operating in the 5 GHz band and has demonstrated stable, high capacity communication in a maritime environment, handling close by vessel operations, platform obstructions and distances in excess of 45 kilometres.

### Connecting vessels

Operating as a maritime “information highway”, the MBR connects crews and their vessels with a high-speed and high capacity digital communication channel with “fast track” priority options. The system can securely carry a diverse array of operational information, from real-time video to system data, and remotely situated teams can work together seamlessly, co-ordinating systems and activities for optimal performance, safety and operational success.

### Easy to operate

Unlike satellite, Wi-Fi or mobile network platforms, MBR requires no extra infrastructure or equipment beyond the units on the participating vessels. This makes it a simple to use and maintain solution enhancing efficiency in maritime operations.

## FEATURES MBR 179

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- Smart antenna technology
- No moving parts
- Near/far capability for multiple vessels
- High data throughput in difficult conditions
- Realtime capability
- Easy to configure and operate



## TECHNICAL SPECIFICATIONS

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### PERFORMANCE

#### Range

Operational range	0 to 45 km
Data rates	0.5 to 5.0 Mbps

#### Antenna coverage

Omni-directional	360 degrees azimuth
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#### RF specifications

Frequency band	4900 MHz to 5900 MHz
Channel bandwidth	20 MHz
Transmission power	6 W
Antenna gain	21 dBi
Modulation	GMSK

### INTERFACES

Data	1 x Ethernet, RJ-45
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### WEIGHTS AND DIMENSIONS

MBR Unit	16.4 kg, 500 x 500 x 323 mm
MBR Power Supply	6.4 kg, 88.1 x 485 x 334.75 mm

### POWER

MBR Power Supply	Supply voltage 110 to 240 V AC
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### ENVIRONMENTAL SPECIFICATIONS

#### Operating temperature range

MBR Unit	-30 °C to +55 °C
MBR Power Supply	-15 °C to +55 °C

#### Operating humidity

MBR Unit	20 to 100 % RH
MBR Power Supply	Max. 95 % non-condensing

#### Storage humidity

MBR Unit (recommended)	20 to 70 % RH
MBR Power Supply	Less than 55 %

#### Ingress protection

MBR Unit	IP 66
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Specifications subject to change without any further notice.

