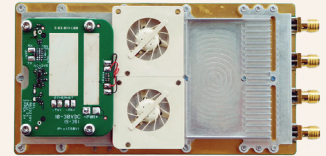




MBR 144 MK2 Embedded



KONGSBERG



Mobile Broadband Radio

The Mobile Broadband Radio (MBR) is a smart antenna designed for use in any application where digital high-speed reliable communication and high data transfer, are essential for efficient and safe operations. With only 85 grams, the MBR 144 MK2 Embedded is tailored for light-weight UAVs (Unmanned Aerial Vehicle) which require an expanded operational range for command and control as well as a payload data link. The overall dimensions of the MBR 144 MK2 Embedded makes it easy for it to be integrated into many different UAVs, with only power and Ethernet connection required. The antenna connections are connector-based and thus the antenna can be adjusted for the specific UAV design.

Technical specifications

Performance

User data throughput 0.7 - 16.5 Mbps

Antenna coverage

Omni-directional 360 degrees azimuth

RF specifications

Frequency band¹ 4900 - 5900 MHz
Channel bandwidth 20 MHz
Tx power Up to 2 W
Antenna gain Up to 6 dBi
EIRP Up to 39 dBm
Modulation GMSK
Antenna connectors 4, MMCX

Interfaces

Ethernet connector Attached cable, 1 x RJ45
Power Attached cable, open-end
Data interface Ethernet 10/100 baseT

Weight and dimensions

Dimensions 120 × 65 × 13.3 mm
Weight 85 g

Power specifications

Supply voltage 12 - 24 VDC
Power consumption 25 W
Idle 7 W

¹ Configurable range for the single 20 MHz channel

Specifications subject to change without any further notice.