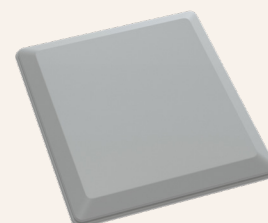


MBR 179 MK2-T UAV



KONGSBERG



Mobile Broadband Radio

The Mobile Broadband Radio, MBR 179 MK2-T UAV, is a light-weight smart antenna. It is designed for use in UAV (Unmanned Aerial Vehicle) applications where long-range, resilient high-speed communication and high-capacity data transfer, are essential for efficient and secure operations. The superior phase array technology with real-time electronic beamforming allows the MBR 179 MK2-T UAV to steer the high-gain antenna beam in an omnidirectional sector, ideal for long-range moving assets. With a narrow fan-shaped antenna diagram, a strong link margin is maintained and continuously updated, as the unit is unaffected by UAV movements.

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 4 W
Antenna gain 21 dBi
EIRP Up to 57 dBm
Modulation GMSK
Internal antenna elements 60

Link security

Data encryption Embedded symmetric 256-bit encryption algorithm

Interfaces

Ethernet/Power connector TBD
Data interface Ethernet 10/100 baseT

Weight and dimensions

Dimensions 272 × 283 × 50 mm
Weight 2.3 kg

Power specifications

Supply voltage 24 - 48 VDC
Power consumption, full Tx 210 W, max.
Power consumption, Rx only 70 W

Environmental specifications

Operating temperature -40 °C - +55 °C
Ingress protection IP66

¹ Configurable range for the single 20 MHz channel

Specifications subject to change without any further notice.