

# BOOSTING BROADBAND CONNECTIVITY FOR VEHICLES IN MOTION

Up to **100 Mbps** • Up to **200 Km/h**



Public and private organizations require broadband connectivity for vehicles in motion, essential for onboard video surveillance, internet access and more. RADWIN uniquely addresses the needs of the market by enabling unmatched capacity and range for mobile video and data connectivity at affordable Total Cost of Ownership (TCO).

RADWIN FiberinMotion™ solution offers powerful, easy to deploy base stations that guarantee high capacity connectivity to ruggedized mobile units mounted on vehicles, trains and vessels.

With long range coverage, fiber-like capacity and simple installation, RADWIN FiberinMotion solution enables an extremely cost effective deployment.

## FiberinMotion™ Enables:

- Perimeter security - video transmission to and from patrol vehicles
- On-board video surveillance & Internet access for rail and metro
- Oil Rigs to Ships - video & data connectivity
- Unmanned vehicle operation – remote control of heavy machinery for mines and ports

## Solution Highlights

- Up to 100 Mbps per base station / mobile unit
- High speed - up to 200 Km/h
- Uplink / Downlink asymmetric traffic
- Long range coverage up to 10 Km
- Seamless handover



## SPECIFICATIONS

- High Capacity:
  - Up to 100 Mbps per base station
  - Up to 100 Mbps per mobile unit
- Supporting mobile, nomadic and fixed units
- 2x2 MIMO/Diversity
- OFDM
- Frequency range: 2-6 GHz
- Speed: up to 200 Km/h
- Range: up to 10 Km
- Channel bandwidth 5, 10, 20 & 40 MHz
- Max Tx Power: 25 dBm / 316 mW
- Quality of Service (QoS) - 802.1p, Diffserv and Dynamic scheduling
- Uplink / Downlink assymetric traffic
- Data Security - AES 128
- Power consumption < 25Watts
- Base station & HMU weight: 1.8 Kg / 3.6 lbs
- Operating temperatures -35°C to 60°C / -31°F to 140°F
- Fully outdoor solution - IP67
- Certifications EN50155, EN50121, CE
- ATEX / HAZLOC: Available upon request

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