

AR800M is a “non-compromising design” high gain omnidirectional MIMO rooftop antenna primarily designed for 3G/4G applications such as on-board internet, video surveillance (CCTV) and other systems requiring high data rate mobile connection for using on high speed trains, trams, buses and other public transportation services.

Antenna incorporates array of two 2x(2x2) radiating elements with double linear polarization. All antenna components are DC grounded to protect against lightning and high-tension lines.

Antenna is housed in flame retardant ABS plastic housing, fully waterproof and protected against hostile environments (rating to satisfy IP67 requirements). Antenna has mounting plate for installation on rooftop with 4 bolts.



**AR** «railroad» antenna  
**xxx** band, MHz  
**M** MIMO

### AR800M

Polarisation	$\pm 45^\circ$
Frequency range	824 – 894 MHz
Bandwidth	70 MHz
SWR	< 1,5
Power rating	50 W
Nominal impedance	50 Ohms
Gain, dBi	2 x 5,5
“H plane” radiation beamwidth	60°
Overall dimensions (H x L x D)	255 x 245 x 100 mm
Weight	2,5 kg
Max wind speeded	< 120 m/s

“E plane” radiation plot

