



# **UBIDIUM FOLDABLE GROUND ANTENNA**

The foldable Ubidium Ground Antenna revolutionizes UHF timing with a unprecedented flexibility and highest detection rates.

Each segment contains a specially developed RACE RESULT UHF reader and antenna. The mat connects directly to Ubidium. It can be adjusted in length as desired, up to 23 meters per system (30 segments).

## **Features**

- Custom UHF reader and antenna integrated in each element
- Advanced reading pattern for highest detection rates
- Seamless connection to Ubidium with a single connector
- Adjustable length up to 23m (30 elements) for flexible setup
- Dual internal antenna strings for enhanced reliability
- Low-profile design with high adaptability to various surfaces



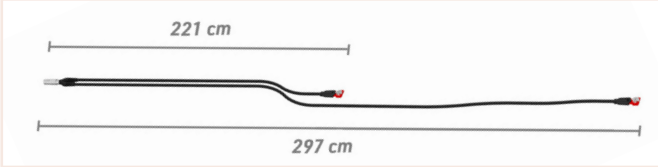
Environmental	
Outside air temperature range	-20 °C – 45 °C
Element temperature range	-20 °C – 80 °C
Humidity (inside segment)	95 % RH, non condensing
IP-rating	IPX7* (temporary immersion in water causes no damage)
Max. shock	10 G
*Open elements and let them dry after usage	

Electrical - Reader Module	
Voltage and current	11.5 - 16.8 V 0.85 A
Power idle	650 mW
Power RF active	Average 4.7 W Peak 6.4 W

Electrical - RF Characteristics	
<b>Dualband 865 – 868 MHz and 902 – 928 MHz</b> design, power and frequency are in compliance with region settings.	
Complies to	ARIB STD-T106 ETSI EN 302 208 FCC 15.247(a)(1) RSS-247 Issue 4
Regulatory Approvals	Canada, Egypt, Europe including UK, India, Japan, Kuwait, Malaysia, Qatar, UAE, USA

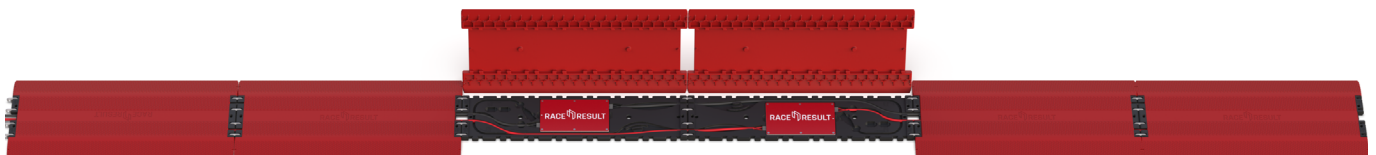
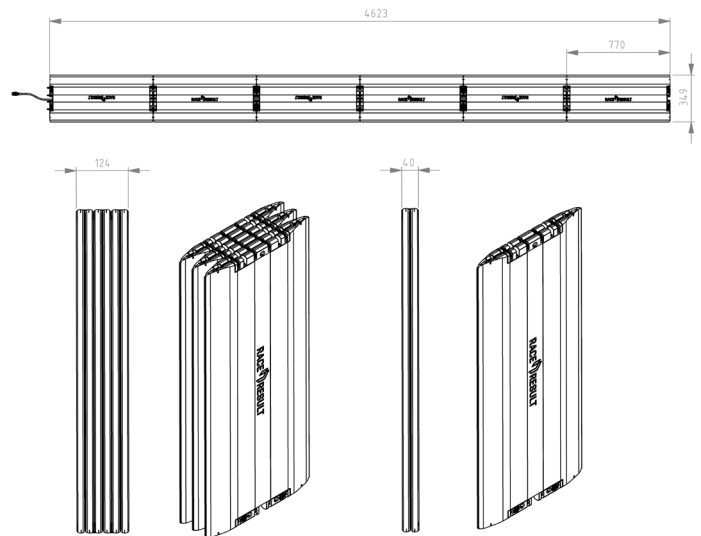
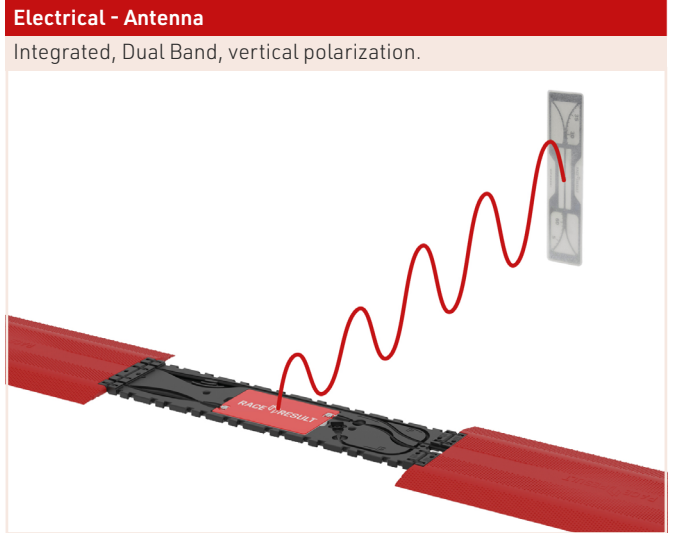
Mechanical - Single Antenna Segment	
Weight	3.8 kg
Dimensions	770 x 349 x 20 mm

Mechanical - Reader Cable	
Length	Expansion port connector to - first antenna element: 221 cm - second antenna element: 297 cm
Weight	510 g



Mechanical - Interconnecting Cable	
Length	139.5 cm
Weight	128 g

Mechanical - Typical Configurations	
2 elements (1,5 m) - shortest possible configuration / extension	7.6 kg
6 elements (4,6 m) - standard system	24 kg
10 elements (7,7 m) - standard + 2 extensions	38.6 kg
30 elements (23 m) - longest possible	114.6 kg



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