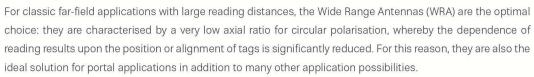


Features

- controlled via Kathrein RFID antenna interface ©KRAI
- dynamic and static polarisation switching (circular LHCP/circular RHCP/ linear horizontal/linear vertical)
- low axial ratio for optimum performance
- 4 LEDs for visualisation, freely programmable (high-end LED)
- signal and controlling via standard antenna coaxial cable
- read range*: up to 12 m (* depending on tag properties, environment and requirements)
- optimised for portal applications, suitable for use in industrial environments
- high degree of protection, IP67 suitable for outdoor use







General Specifications

Order No.		52010335	52010336
Туре		WRA 7070 ©KRAI Antenna Unit	WRA 7070 ©KRAI Antenna Uni
Frequency range	[MHz]	865–868	902–928
©KRAI		✓	
LED visualisation		high-end LED (freely programmable)	
Polarisation, circular		LHCP/RHCP*	
Antenna gain	[dBiC]	typ. 6.5	
Axial ratio	[dB]	typ. 2	
Polarisation, linear		horizontal/vertical	
Antenna gain	[dBiC]	7.0	7.5
VSWR		typ. 1.4:1	typ. 1.8:1
Front-to-back ratio	[dB]	> 18	
Impedance	[Ohm]	50	
Max. input power	[dBm]		+30 (at antenna port) (FCC 15.247)
Max. radiated power	[dBm]	+33 ERP (ETSI EN 302 208)	+36 EIRP (FCC 15.247)
Far-field half-power beam width	[°]	65	
Connection		TNC female	
Weight	[kg]	1.7	
Degree of protection		IP67	
Operating temperature range	[°C]	−20 to +55	
Storage temperature range	[°C]	-40 to +85	
Dimensions (L x W x H)	[mm]	300 x 300 x 49	
Package size (L x W x H)	[mm]	approx. 350 x 350 x 80	
Material			
Antenna cover		tough, weather-resistant polymer blend, colour: RAL7035	
Chassis		aluminium	
Patch plate		brass, tin-plated	
Seals		thermoplastic elastomer	



Key Applications

- Gate applications for goods registration
- Logistics
- Vehicle registration
- Bulk and single-tag applications

Mounting



NOTICE

Risk of damage to property!

- Make sure that the screw is only screwed in max. 10 mm deep into the housing ($M_{max} = 5 \text{ Nm}$).
- Four M6 drill holes at intervals of 100 x 100 mm

Accessories (Optional)

Note

It is only possible to operate the antenna in conjunction with a ©KRAI reader.

Dimensions

