

## > Features

- Compact design for ruggedised environmental applications
- Read range: up to 18 m (depending on tag properties, environment and requirements)
- Ideal solution for toll collect applications
- Suitable for bulk and single tag applications
- High degree of protection, IP65 suitable for outdoor use



## > General Specifications

Order No.		52010251	52010252
Type		WIRA-40-linear-ETSI	WIRA-40-linear-FCC
Frequency range	[MHz]	865–868	902–928
©KRAI			–
Polarisation			linear
Antenna gain	[dBi]	typ. 12.5	typ. 13
VSWR			typ. 1.3:1
Front-to-back ratio	[dB]		> 25
Impedance, antenna port	[Ohm]		50
Max. radiated power	[dBm]	+33 e.r.p. (ETSI EN 302 208)	+36 EIRP (FCC15.247)
Far-field half-power beam width	[°]		40/40
Connection			N female
Weight	[kg]		2.7
Degree of protection			IP65
Operating temperature range	[°C]		–40 to +70
Storage temperature range	[°C]		–40 to +85
Dimensions (L x W x H)	[mm]		480 x 480 x 25 (45.5)
Package size (L x W x H)	[mm]		approx. 520 x 510 x 70
Material			
	Antenna cover		hermoplastic radome, UV resistant
	Chassis		aluminium

## > Key Applications

- Automated vehicle identification:
  - Electronic toll collect – tolling plaza and free-flow traffic
  - Intelligent parking interfaces
- Bulk and single-tag applications

## > Accessories

- Pole bracket MK-WPGM-100-100-Outdoor

For more information about accessories, go to <http://www.kathrein-solutions.com/products/hardware/accessories>.

## > Mounting

- Install the antenna on the pole bracket using four M5 threaded bolts at intervals of 100 x 100 mm.

## > Dimensions

