

## UHF TAGS

### HELIX: UHF Tire Tag

#### Product Code: WL19U



- Helix is designed as long range tag for use in tracking vehicle tires. It can be embedded in the tires during the manufacturing process and tracked for life-time of tire.
- It gives a consistent read-range of about 3-4feet\* with handheld reader when embedded in the tires.

#### Technical Specifications:

Electrical:	Operating Frequency :	(EU)865~868 MHz / (US)902~928 MHz
	Operating Mode :	Passive (battery-less transponder)
	Read Range :	up to 5m* (Reader and antenna dependent)
Chip Type:	Alien Higgs 3 EPC Class 1 Gen 2	
	EPC 96 bit extendable up to 480 bits	
	User Memory 512 bit	
	TID 64 bits unique	
	Data retention of up to 10 years	
Mechanical:	Dimension : 90x1.5mm	
	Material : Spring and PCB	
	IP rating : IP65	
Thermal:	Operating Temp. : -20°C to +120°C	
	Storage Temp. : -10°C to +65°C	
Optional:	Logo printing/Laser engraving at extra cost.	

\* Read-range achieved using standard testing methodology. Read range will vary with reader hardware and output power.

Preliminary Data Sheet: Certain specification subject to change.